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  Bibliography on xenon: physical and physical—chemical properties, 22:23004 (JUL-Bibl.-13)
  Krypton physical and physicochemical characteristics. A bibliography, 21:5837 (JUL-Bibl.-11)
  Search for CP-violation in $K^0 \rightarrow \pi^+\pi^-\pi^0$ decays, 25:33795
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- PAUL, R. D. Prog. rpt. on alkali metal peroxide and superoxide blown ceramic foams, final, 6/22/65—3/15/66, 21:4991 (N-66-31363)
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  - Phase equilibrium in systems ThO_2—UO/sub 2 + x/, CeO_2—UO/sub 2 + x/, and NpO_2—UO/sub 2 + x/, 25:24645 (KFK-1297)
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- PAUL, Roger A. Trace elements in common rock types and their relative importance in neutron-induced radioactivity calculations, 22:21187
- PAUL, Rolf Bibliography on cancer chemotherapeutics, 21:20232 (JUL-Bibl.-12)
  - Cancer chemotherapeutics, literature review II (1957—1967), 23:9279 (JUL-Bibl.-12/2)
- PAUL, S. D. Conversion of platinic acid to platinum black for deuterium exchange reactions, 22:27656
- PAUL, S. L. Shear failures in end slabs of prestressed concrete pressure vessels, 24:50101 (CONF-700401-, pp 387-402)
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  - Strength and behavior of prestressed concrete vessels for nuclear reactors, 24:20553 (TID-25367(Vol.1))
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  - Influence of neutron and Ar ion bombardment on uniaxial anisotropy in Permalloy films, 22:15613
  - Magnetization curves of Fe—Ni single crystals ordered by neutron irradiation, 22:15585
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- PAULEY, Gilbert B. Metabolism of ^{65}Zn in Anodonta californiensis, 23:31627
- PAULI, Chr Nuclear structure effects in electric dipole transitions, 22:20732
- PAULI, E. Resonance formation in reactions $K^-p \rightarrow K^+\Xi^-$ and $K^-p \rightarrow K^0\Xi^0$, 23:10758
  - Study of the decay mode eta $\rightarrow \pi^+\pi^-\gamma$, 21:25225
- PAULI, Eugene Study of eta meson production and decay in π^+d interactions between 600 and 900 MeV, 21:35261 (CEA-R-3105)
- PAULI, G. Total cross sections of Na, K, and Ca for 14-MeV neutrons, 22:13987
- PAULI, Giulio Preliminary results of oscillation experiment with Ispra-2 reactor, 22:50817
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- PAULIC, Nevenka Cyclopentanediaminetetraacetic acid for internal decontamination of radiostrontium, 24:36752
- PAULICKA, I. Physical experiments involved in the program of the start-up of the first Czechoslovak Nuclear Power Plant A-1, 25:53947 (A/CONF.49/P-542)
- PAULICKA, Ivan Fuel element exchange in power reactors, 24:43781
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  - Some problems of concentration measurements of radioactive aerosols in the environments of nuclear works, 24:44130
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  - Solar particle observations over the polar caps, 25:27540
  - Solar proton observations at synchronous altitude during 1967, 23:44088 (AD-679977)
- PAULIKAS, George A. Aerospace Corporation space science program report to COSPAR, 1969, 24:37307 (AD-703710)
  - Boundary of energetic electrons during January 13—14, 1967 magnetic storm, 22:36797 (AD-665422)
  - Effects of sudden commencements on solar protons at the synchronous orbit, 24:32686 (AD-698748)
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- PAULIN, R. Brillouin zone boundaries effect on positron annihilation in MgO and UO_2 crystals, 24:42821
  - Human serum albumin labeled with /sup 99m/Tc in placental and pulmonary scintigraphy, 24:32114
  - Localization of the placenta by radioisotopes, 22:51799
  - Pulmonary scintigraphy after administration of isotope aerosols: a complement to pulmonary scintigraphy after injection of microaggregates, 22:47552
  - X-ray induced positron annihilation centers in alkali halide crystals, 25:38549
- PAULIN, Robert Positron annihilation and electronic lattice structure in insulator crystals, 23:48999
  - Positron annihilation in solids: positronium diffusion, 23:36497 (CEA-R-3804)
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- PAULING, Crellin Properties of a DNA ligase mutant of E. coli: x-ray sensitivity, 24:25454
  - Properties of a temperature-sensitive radiation-sensitive mutant of E. coli, 23:22357
  - Properties of a temperature-sensitive, radiation-sensitive mutant of E. coli. II, 24:14467
- PAULING, E. C. Role of polynucleotide ligase in normal DNA replication, 23:48271
- PAULING, E. Crellin Repair replication of DNA in vivo, 23:48270
- PAULING, Linus Close-packed-spheron theory of nuclear structure and the neutron excess for stable nuclei, 21:23576
  - Magnetic moments of antimony isotopes and other nuclei, 24:6946
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- PAULING, Linus C. Geometric factors in nuclear structure, 23:32959
- PAULINY-TOTH, I. I. K. Flux density and spectra of radio sources at centimeter wavelengths. II, 23:30241
  - Flux density of discrete radio sources at centimeter wavelengths. I, 22:52431
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- PAULO, J. Value of mass miniature radiography for early diagnosis of lung cancer, 23:45816
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  - Gamma radiation effects on eggs, 24:2804
  - Ionizing radiation on the metabolism of serum proteins in rabbits, 21:24311
- PAULS, T. A. Evolution of low-mass stars. II, 25:6960
- PAULSEN, A. Anisotropy in the n—p scattering process at a few MeV, 23:42552
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  - Cross sections for (n,p) reactions near threshold, 22:18195
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  - Neutron flux measurement by counting the associated ^3He particles from T(p,n) reaction, 25:18647
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- PAULSEN, C. Alvin Prog. rpt. on irradiation effects on human testis, 6/63—3/66, 21:408 (RLO-1781-6)
  - Prog. rpt. on irradiation effects on human testis, 1963—69, 23:41467 (RLO-1781-10)
- PAULSEN, D. E. Decrease in D-region $O_2(^1\Delta$/sub g/) photoionization rates, 25:16954
- PAULSEN, J. P. Determination of fluid velocity and direction in open tanks with a probe using radioactive pulses, 25:21243 (CSIR-SR-CHEM-133)
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  - Mass spectrographic analysis of Fe for Ag, Cu, Mo, and Ni, 24:24995
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- PAULSON, B. A. Preparation of precipitate and planchet samples for radioactive counting, 21:15972
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- PAULSON, C. Keith Neutron spectral measurements in water and behind iron slabs near the PUR-I reactor, 24:31730
- PAULSON, Carl Keith Fast neutron spectral measurements in water using proton-recoil detectors, 25:26037
- PAULSON, D. L. Electrical resistivity of hyperstoichiometric columbium carbide materials at elevated temperatures, 22:26083 (USBM-RC-1327)
  - Electrical resistivity of hyperstoichiometric zirconium carbide materials, 23:14397 (USBM-RC-1361)
  - Properties of cast columbium carbide—carbon alloys, 25:22148 (BM-RI-7479)
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  - Short-range intermediate structure observed in ^{237}Np neutron subthreshold fission cross section, 22:32607
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  - Total and fission cross sections of ^{239}Pu, 22:24863 (BNL-tr-197)
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PEL'KIS, P. S. Radioprotective properties of aryl-substituted triazole and tetrazole, 24:7932
PELL, Erik M. Proceedings of the third international conference on photoconductivity, Stanford, California, August 12—15, 1969, 25:52895
PELL, Kynric Martin A spectrometric investigation of an electrodeless discharge, 22:50142
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- PIERCE, N. T. High-field magnet combining superconductors with water-cooled conductors, 24:5112
- PIERCE, R. D. Chemical Engineering Division fuel cycle technology quarterly report, July—September 1970, 25:13077 (ANL-7755)
  - Chemical Engineering Division fuel cycle technology quarterly report, January—March 1971, 25:57507 (ANL-7799)
  - Containment materials for pyrochemical processes, 23:38932
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  - Results of investigation of the effect of cosmic radiation and other factors of cosmic flight on lysogenic bacteria and human cell cultures, 22:31291 (AD-663360)
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  - Dependence of the remote effect of x radiation on the reproduction of tobacco mosaic virus in tobacco leaves on the dose and time between irradiation and infection of the leaves, 23:24769
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POLAND, Arthur L. Neutral helium lines and the helium anomaly in hot stars, 24:27938

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POLCYN, Robert Accidental radiogold (^{198}Au) liver scan overdose with fatal outcome, 23:41464 (ACRH-1000-129)

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POLHEMUS, C. E. Image enhancement of radionuclide scans by optical spatial filtering, 25:21757

POLI, P. SPES-1: IBM 7094 program for study of prompt—critical uncontrolled excursions in fast reactors, 23:23944 (RT/FI-(68)45)

POLIAKOV, B. I. Adjustment of acceleration conditions and beam parameters of I-2 linear accelerator, 22:32312 (CEAL-2000, pp A1-7)

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POLIAKOV, V. M. Theory of the undisturbed F2 layer, 25:43230

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POLIC, Dj. Effect of gamma rays and high energy electrons on development and mitosis of malignant cells, 25:52176 (A/CONF.49/P-358)

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POLICHAR, Raulf Maurice Delayed alpha-particle emission from excited states of ^{20}Ne following beta decay of ^{20}Na, 21:19239

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POLIKARPOV, V. V. Radiation induced increase of stability of polymerizing emulsion systems, 22:37801

POLIKARPOVA, G. A. Schwann glial elements in the changes of neuromuscular junctions, 21:11053

POLIN, F. Prog. rpt. on release of fission gases from UO_2 irradiated to various doses, 12/67, 22:27484 (EURAEC-1978)
  Prog. rpt. on study of fission gas release from UO_2 samples irradiated up to various doses, final, 11/1/65—4/30/68, 23:27200 (EURAEC-2091)

POLINCHIK, N. N. Experimental solenoid made of Nb_3Sn strip, 25:19588 (JINR-P8-5440)

POLINSKY, P. D. Direct NAA method for determination of gold in serum and urine specimens of patients with rheumatoid arthritis, 21:35856

POLIS, D. Unitary sum rule for K/sub S/—K/sub L/ decay, 23:23436

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POLISHCHUK, Yu. M. Slow amplitude and phase variations of 10 cm radio waves on traces near earth, 23:22983

POLISHEHUK, S. A. Differential thermal analysis of phase transformations of tetraiodides of natural U and ^{233}U, 22:2710

POLISHUK, P. Recent applications of nuclear methods and techniques to aerodynamic testing; 22:38126
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POLITIS, G. Compatibility of uranium mononitride with molybdenum, tungsten, and thorium oxide at high temperatures, 24:950 (ORNL-tr-2211)

POLITO, P. J. Hard-pion current algebra and the reaction $e^+ + e^- \rightarrow A_1^{+-} + \pi^{+-}$, 25:17423

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POLITZER, Peter Electron affinities of atoms, 23:1171

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  - Effects of irradiation and radio-mimetic chemicals on acid RNAse and phosphodiesterase of rat intestinal homogenate, 22:36399
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  - Study of Alnico 8 by Moessbauer spectroscopy, 22:5431
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  - Prog. rpt. on dislocation-solute atom interactions in alloys, annual, 2/67—1/68, 22:10983 (COO-1676-1)
- POVONDRA, P. Rapid analytical methods for investigation of metals and inorganic raw materials. XVI, 22:1980
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  - Conference on data handling systems in high-energy physics, Cavendish Lab., Cambridge, 3/70, 25:13234 (CERN-70-21(Vol.1))
  - Conference on data handling systems in high-energy physics, Cavendish Lab., Cambridge, 3/70, 25:13263 (CERN-70-21(Vol.2))
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  - Solubility of tritium in annealed and cold-worked copper, 25:13654 (MLM-1734)
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  - Pulmonary deposition and clearance of ^{131}I-labeled oil after lymphography in man. Correlation with lung function, 25:24450
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Wedge-shaped detector for measurement of position and profile of a particle beam, 24:27410

PROKOSHKIN, Yu. P. High resolution Cherenkov counter, 24:29568 (NAL-tr-2)

PROKOVIEV, P. Investigation of the ^{177}Lu level structure, 24:47582

PROKS, C. Primary carcinoma of thyroglossal duct, 25:55304

PROKSCH, E. Dosimetry by means of formation of radiolytic gases from fluorocarbons, 25:55053

Evaluation of coated fuel particles, 24:42228 (DP-Report-138)

Molecular plating. V, 21:5975

Perfluoroalkanes as fast-neutron insensitive chemical dosimeters, 21:4543 (SGAE-CH-37/1966)

Radiation chemistry of the anthracene oil components, 22:35867

Radiation hardening of commercial polyester resins, 25:18443

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Radiation-hardened wood-plastic combinations, 21:8534

Radiation-tempered wood-plastic combinations, 21:10377 (SGAE-CH-39/1966)

Use of fluorocarbons for chemical dosimetry in nuclear reactor radiation fields, 21:8625 (SGAE-CH-40/1966)

Use of fluorocarbons for chemical dosimetry in nuclear reactor radiation fields, 21:32491

Wood—plastic combinations prepared from beechwood, 24:11622

Wood—plastic work in Austria, 24:13939

PROKSCH, G. Determination of ^{15}N by emission spectroscopy, 25:18344

Improvements in determination of ^{15}N in low concentration range by emission spectroscopy, 25:23508

Isotopic analysis of N with low ^{15}N content by optical spectrometry, 22:14443

PROKSOVA, M. Influence of x radiation and mustard gas on erythrocytes, 23:9848

PROKUBINA, E. A. Adrenal function at remote periods after single and fractional irradiation, 22:49604

PROKUDINA, E. A. Effects of prolonged irradiation on adrenocorticotropic function, 24:16978

PROME, M. Accurate beam dynamics equations in proton linear accelerators, 21:29798

Design of a 20 MeV proton linear accelerator, new injector for SATURNE, 21:11858 (LA-3609, pp 403-9)

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New injector for the Saturne synchrotron, 21:29720

Numerical methods: acceleration by a gap, 25:50244

Saturne injector, 23:19068 (BNL-50120(Pt.2), pp 660-72)

PROME, Michel Determination of 20 MeV linear accelerator, new injector for synchrotron saturne, 23:19077 (CEA-R-3261)

PROMISEL, N. E. Critical materials in an advancing technology, 23:24785

PRON', G. F. Boron carbides of alkaline earth and rare earth metals, 21:14877

Chemical processes during carbothermal synthesis of alkaline earth metal borides and certain rare earth metal borides, 21:14878

PRONGSIRIWATHANA, Chamras Induction of mutations in Thai rice varieties, 24:41810

PRONI, John R. Jr. Signal-propagation studies in a low-density plasma, 25:33340

PRONI, John Roberto Electron and ion signal propagation in a quiescent plasma, 25:7426

PRONICHEV, A. M. Ion accelerator ILU (100-keV) with mass separation of ions, 24:13233

PRONIEWSKI, H. Effect of methandrostenolone on the histopathological radiation lesions in mice, 22:40775

PRONIEWSKI, Henryk Effect of methandrostenolone on histopathologic postirradiation lesions in mice, 21:34707

PRONIK, I. I. Galactic magnetic field in the solar neighborhood, 21:564

H II zones in the central regions of nine normal galaxies, 24:15109

Multicolor photometry of galaxy NGC 4254 using image converter, 25:19456

Photographic photometry in NGC 628, 23:6865

Radio emission of normal galaxies, 24:25932

Spectrophotometric study of zeta Tau, 21:37032

Spectrophotometry of jet in NGC 4486, 22:29094

Study of a binary system with an envelope AX Mon, 21:37016

PRONIK, V. I. Formulae and graphs for a quantitative analysis of the forbidden-line radiation of emission objects, 24:17423

Nucleus of Seyfert galaxy NGC 5548, 22:13109

Observations of Chuadze's and Wild's supernovae, 24:12527

Physical conditions in the nucleus of the galaxy NGC 1275, 21:16699

Spectra of the Chavira and Rosino supernovae, 21:16732

Spectrophotometric investigation of nucleus of NGC 1068, 22:43720

Spectrophotometric study of Seyfert-galaxy nuclei, 22:29095

Spectrophotometry of jet in NGC 4486, 22:29094

Spectrophotometry of radio source CTA 102, 21:28902

PRONIN, O. D. Methodics of measuring the inleakage in the low strong vacuum flask, 25:25556 (IFVE-SKU-70-6)

Simultaneous work of sputter-ion pump with vapor unit, 24:26542 (IFVE-SKU-69-39)

Vacuum system for the 70-GeV proton synchrotron, 25:20126 (CERN-Trans-70-9)

PRONIN, V. A. Activation determination of impurities in trichloromethyl silane with extractional separation of the elements, 21:35854

Activation-analysis of semiconductor materials, 23:37928

Determination of impurities in iron by neutron activation method, 21:12362

Determination of impurities in iron by neutron activation, 23:26199

Determination of traces of Pt, Ir, Ag, and Cu in Pd by neutron activation methods, 23:13686

Neutron activation determination of microimpurities in Se, 23:35050

Neutron activation determination of trace impurities in high-purity selenium, 24:5643

Neutron-activation determination of tantalum in niobium and of niobium in tantalum, 22:50933

Neutron-activation determination of Au, Ag, Pt, Pd, and Ir in rhodium powder, 23:13687

Radioactivation determination of impurities in gallium arsenide, 22:1969

Radioactivation determination of microimpurities in thallium, 23:4535

PRONIN, V. N. Transmission spectra of gallium arsenide irradiated by protons possessing energy of approximately 5 MeV, 23:39538

PRONIN, V. P. Measurement of electrical field in central region of synchrocyclotron by induced current method, 24:15717 (JINR-P9-4851)

PRONINA, A. P. Paraprocess susceptibility of Gd and Ni_3Mn near Curie temperature, 25:14446

PRONINA, M. I. Effect of hygromycin B and streptomycin on Actinomyces hygroscopicus variability induced by x-irradiation, 25:57964

PRONKIN, N. S. Counting characteristics of semiconductor detectors, 25:8523

PRONKO, J. G. ^{21}Na level structure, 24:43282

Collective calculations in ^{23}Na, 24:43208

Data acquisition system for gamma spectroscopy, 24:44308

Doppler shift studies with selected recoil directions, 25:20140

Excited states of ^{23}Na, 21:44608 (ZFK-122, pp 312-13)

Gamma-ray angular correlations and lifetime measurements for some excited states of ^{21}Ne, 24:13334

Low-lying ^{23}Na states, 24:38198

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Reactions ^{21}Ne(p,d)^{20}Ne and ^{21}Ne(d,p)^{22}Ne, 25:3633

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States 2.791- and 2.87-MeV in ^{21}Ne, 21:13846

Structure of ^{21}Na from the ^{24}Mg(p,α)^{21}Na reaction, 24:20375

PRONKO, P. P. Damage depth distribution of 15-keV Kr implanted in RbCl as obtained from diffusion measurements, 25:36272

Diffusion of ion-implanted Kr in RbCl and effects, 24:42782

Proton radiation damage and recovery in Ta films, 25:56314

Stirling cycle cryogenic cooler used with accelerator for radiation effects in thin films, 25:59160

PRONMAN, I. M. Determination of N in pure Nb by neutron activation at 14 MeV, 22:6283

Determination of O in Nb and Ti by fast neutron activation, 22:6284

Determination of oxygen in molybdenum by activation with fast neutrons, 21:10292

Development of a fast-neutron activation method for determination of N in Nb, Ta, and Ti, 25:54501

Implanted targets for the T(d,n) reaction, 24:47536

Implanted tritium targets, 24:47537

Neutron-activation method of fast determination of carbon content, 25:37323

Use of fast 14-MeV neutrons for determination of O in pure materials, 25:57376

PRONO, D. New results in turbulent heating, 25:38342 (CONF-710607-50)

PRONO, D. S. Turbulent heating studied by microwave scattering, 23:42222 (CU-3958-2)

PRONO, Daniel Steve Measurement of the ion energy distribution resulting from the turbulent heating of a plasma, 25:56131

PRONYAKIN, V. T. Flaw detection in finned, thin-walled tubes, 23:33361

PROPERIZIO, W. S. Inexpensive rf shield for use with radiation survey instruments, 24:46495

PROPERZIO, William S. Description and evaluation of a fluoroscopic screen visual brightness comparer, 24:21036 (BRH/DEP-70-3)

Radiation emissions from demonstration type cold-cathode gas discharge tubes, 25:23904 (BRH/DEP-70-26, pp 197-213)

Tests made on Panoramix x-ray machine, 24:27598 (BRH/DEP-70-2)

X-ray emission from cold-cathode gas discharge tubes used for educational purposes, 24:21154 (BRH/DEP-70-1)

X-ray fluoroscopic screens: history, crystal kinetics, preliminary report on aging, 25:26815 (BRH/DMRE-71-2)

PROPIN, R. Kh. Influence of resonances in elastic electron scattering by Li$^+$ ion on Li plasma properties, 24:35386

PROPIN, R. Kh. Asymptotic expansions of electronic terms of H_2^+, 22:43915

PROPISTSOVA, R. F. Arsenazo M: reagent for rare earth elements, 23:13643

Study of complex formation of elements with reagents of the arsenazo III group by a spectrophotometric and a potentiometric methods, 22:37739

PROPST, F. M. Proceedings of the fifteenth national vacuum symposium and the thin-film symposium of the American Vacuum Society, Pittsburgh, 10—11/68, 23:33377

PROPST, Franklin M. Conference on thin films, Boston, 4—5/69, 24:23425

PROPST, R. C. Analytical applications of Kalousek polarography, 22:34

Conducting glass electrode in a thin-layer electrochemical cell with application to the analysis of neptunium, 25:41732

Coulometric titration of microgram amounts of americium, 23:28689

Coulometric titration of polonium at the microgram level, 22:8018

Electrochemistry of berkelium in acidic aqueous solution, 24:38821

New determination of half-life of ^{243}Am, 23:1925

PROPST, R. L. Oxidation of Cf^{3+} in aqueous solutions, 23:19711

PROPST, Robert C. Preparation of high energy γ source by electrodeposition of ^{228}Th from fused salts, 24:376 (DP-1166)

PROPSTL, M. G. EURATOM programs to promote the utilization of isotopes in industry, 22:8308

PRORIOL, J. Angular cross-section of electron pair production, 25:7608

Angular distributions and correlations in three-body phase space, 25:12135

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Euler angles for three and four identical particle systems. II, 21:29512

Euler angles for three and four identical particle systems. III, 22:15695 (LYCEN-6734)

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Method to compute some many-body phase-space integrals, 23:19388

Numerical study of the relativistic influence on the angular distribution of a particle from a statistical-model three-body decay, 21:23332

Pion angular distributions in proton—antiproton annihilations up to four pions. I, 22:15761 (LYCEN-6757)

Relativistic calculations of angular correlations of particles issued from an interaction-free resonance decay, 25:12176

Selection rules in antiproton—proton and antiproton—neutron annihilations, 21:11770

Theoretical study of pion angular distributions in proton—antiproton annihilations up to four pions. II, 22:15760 (LYCEN-6751)

PROSDOCIMI, A. Neutron cross sections and fission parameters of ^{240}Pu, ^{241}Pu, and ^{242}Pu, 21:25504 (EANDC(E)-74(U))

PROSENZ, P. Evaluation of gamma camera scintigrams using milti-canal-storage, computers, and color television systems, 23:50715

PROSHIN, V. V. Neutron-activation analysis of Ca, P, and Na in bones, 25:55106

PROSHKIN, A. A. Estimation of efficiency of fast reactor fuel element envelopes, 25:34353 (JPRS-53069, pp 204-14)

Evaluation of the suitability of fast-reactor fuel-element cans, 25:48269

- PROSHKIN, V. V. Theory of induction method of plasma velocity measurements, 22:41561
- PROSHOLD, F. I. Inherited sterility in progeny of irradiated male tobacco budworms, 24:23415
- PROSHUTINSKII, A. P. Self oscillations in a natural circulation loop during boiling, 21:31977
- PROSINA, I. I. External background exposure measurements of USSR townpeople in 1964—1965, 21:16212
- PROSINA, T. I. Use of thermoluminescent alumophosphate glass in personnel neutron dosimeters, 21:333
- PROSIRA, B. F. Gamma-irradiation of pollen of wheat, 24:680
- PROSKURKIN, E. V. Obtaining a protective aluminum coating on titanium and zirconium, 22:21679
- PROSKURYAKOV, V. A. Determination of the total absorption coefficients of air heated by strong shock waves, 21:5301
  - Radiochromatographic method for analysis of aliphatic acids C_1—C_6 and isomeric decanes labeled with ^{14}C, 25:20934
- PROSNAK, W. J. Conference on advanced problems and methods in fluid dynamics, Jurata, Poland, 9/65. III, 24:3234
- PROSNITZ, Leonard Repair and reconstruction of chromosomal DNA, 25:11007 (BNL-50203, pp 1-13)
- PROSO, Z. Preparation of carrier-free radionuclides from cyclotron targets. I, 23:17490
- PROSPERETTI, A. β-decay of hyperons, 23:27788 (NP-17889)
  - T violation in hyperon β-decay, 23:21088
  - T-violation of hyperon β-decay, 23:27838 (NP-17888)
- PROSPERI, D. Casaccia Nuclear Center 1 MW RC-1 reactor, 22:3905
  - Effects of translational invariance violation in particle-hole calculations, 22:42142
  - Formal treatment of n—p interactions in heavy nuclei. II, 21:4335
  - Formap treatment of n—p interactions in heavy nuclei. I, 21:4334
  - Gamma spectroscopic research with 0.1 MW reactor, 22:50604
  - Intrinsic motion and translation invariance in shell model calculations, 24:45822
  - Investigation of reaction $^{35}Cl(n,\gamma)^{36}Cl$, 25:31280
  - Level structure of ^{116}In, 24:47591
  - M1 transitions following the slow-neutron capture in ^{115}In, 23:23690
  - Method of analysis of neutron capture gamma-ray spectra, 25:56690 (RT/FI-(70)47)
  - Nuclear resonant scattering of gamma rays in Cu, Sn, and Bi, 21:38336
  - Nuclear resonant scattering of gamma rays in Ni, Cd, Sn, and Bi, 23:40013
  - Number conserving calculation of low energy spectra of odd-odd T1 isotopes, 23:32932 (NP-17886)
  - Number-conserving calculation of low-energy spectra of odd—odd Tl isotopes, 24:52633
  - Number-conserving calculation of nuclear spectra of odd-mass isotopes of Pb, Tl, and Hg, 23:23682
  - Recent results on (γ,γ) and (γ,γ') reactions, 24:47605
  - Rotational bands in ^{182}Ta, 21:13890
  - Systematics of electric-dipole transitions, 21:30037
  - Thallium-205 level scheme, 24:28811
- PROSPERI, Daniele Neutron-activation method of analysis, 22:33252
- PROSPERI, G. M. Relations between statistical mechanics and quantum theory of measurement, 21:3264
  - Relativistic potential scattering and field-theoretical amplitude, 25:1648
  - Resolvent operator, Pade approximation, and bound states in potential scattering, 24:43072
  - Time scales and the problem of measurement in quantum mechanics, 25:36372
  - Variational principles and Pade approximants, 25:45826
- PROSPERO, J. M. Beryllium-7 in ocean water, 22:45978
  - Trace element concentrations in Atlantic Ocean waters between Florida and Ivory Coast, Africa, 23:49743 (BNWL-1051(Pt.2), pp 53-8)
- PROSPERO, Joseph M. Radon-222 in the North Atlantic trade winds, 24:16705
- PROSPERT, J. Recovery of ^{137}Cs using a mineral ion exchanger, 23:7594 (EUR-4075)
- PROSPERT, Jacques Process for separating strontium from fission product solution by fixing on antimonic acid, 22:51081
- PROSSER, D. L. Examination of SNAP-27 heat source FCA4 and preparation of fuel for FCA8, 25:51719 (MLM-1831)
  - SNAP-27 on the moon, 24:29456
  - SNAP-27 radioisotopic heat source summary report, 24:2395 (MLM-1698)
- PROSSER, F. W. Jr. Levels in ^{18}O through the radiative capture of alpha particles by ^{14}C, 21:23419
  - Reactions $^{18}O(p,n)^{18}F$, $^{18}O(p,p'\gamma)^{18}O$, AND $^{18}O(p,\alpha_{1,2}\gamma)^{15}N$ from E/sub p/ = 2500 to 3000 keV, 21:31725
  - Rotational level structure in ^{16}O, 22:3617
  - Spin and lifetime of 2797-keV level in ^{19}F, 23:5822
- PROSSER, R. A. Protection against intense light. I. Discussion of the usual mechanisms of energy dissipation, 25:41827
- PROSSER, Reese T. Formal solutions of inverse scattering problems, 24:3771
  - New formulation of particle mechanics, 21:37627
- PROST, Gerard Fast liberation of energy stored using superconductors, 23:6944 (SC-T-68-1552)
  - Method and device for releasing electric energy, 22:2289
- PROST, K. J. Radiation hardened registers, 25:21496
- PROST, M. Monotubular steam generator constructed by GECEN under Sulzer Licence for EDF 4 Nuclear Power Station, 22:25025
- PROSTEJOVSKY, Jiri Phase relations between electron temperature, luminous intensity, and electron density in a stratified positive column of a glow discharge, 21:31438
- PROSTEJOWSKY, Jiri Study of the derivative of relaxation length of electron temperature, 23:42309
- PROSTKA, Harold J. Lead and Sr isotopes in rocks of Wyoming, 24:46352
- PROSYAK, V. A. Improvement of the resolving power of scintillation alpha spectrometers, 23:11840
- PROT, A. Control of PHENIX reactor cans by ultrasonics, 23:7711 (CEA-CONF-1082)
- PROT, A. C. Ultrasonic automatic testing methods of welds used at Saclay, 24:39164 (CEA-CONF-1540)
- PROTASEVICH, I. I. Thermogenesis of irradiated yeast cells in the process of recovering their reproductive capacity, 25:11324
- PROTASEVICH, M. Z. Compensation on the output of a pulse time—amplitude convertor from unpaired input signals, 24:14362
  - Pulse stretcher for spectrometer with semiconductor detector, 22:43095
- PROTASHCHIK, V. A. Changes in kinetic properties of the thermal decomposition of $KMnO_4$ as a result of ^{60}Co-irradiation, 21:27997 (NASA-TT-F-481)
  - Rate of thermal decay of γ-irradiated potassium permanganate, 22:27810
  - Thermal decomposition rate of K permanganate exposed to γ radiation, 22:12351
- PROTASOV, V. P. Bubble chamber operating in magnetic field, 21:1592
  - Cross sections of inelastic interaction of pions with nuclei, 23:25528
  - Data on resonance with mass approximately 300 MeV in K^*antiK^* system, 22:34852
  - Elastic scattering of π mesons on hydrocarbon at 5 to 22 Mev, 21:2629
  - Filtering of tracks measured on the SMP, 25:42135 (CERN-Trans-71-8)
  - Mass spectrum of $K^*\Lambda^*$, 23:30716
  - Measurement of Λ hyperon life time in freon bubble chamber, 24:15467
  - Production of $\pi^+2\pi^-$ on nuclei at small momentum transfers, 25:59316
  - Transverse momenta of strange particles produced in pion interactions with nuclei, 24:51974
- PROTASOV, V. S. Crystalline structure of Sc—Zn system, 21:22891
  - Laves phases in the scandium—iron system, 21:13202
- PROTASOVA, A. K. Clinical picture of acute radiation sickness induced by radioactive thulium, 22:31216
- PROTASOVA, I. V. Brazing alloy for molybdenum, 23:36086
- PROTASOVA, L. F. Decay of ^{100}Rh, 23:42922
  - Decay of ^{99}Pd and ^{99}Rh, 24:18436
  - Gamma radiation of ^{97}Rh, 24:18435
  - Gamma radiation of ^{99}Rh, 25:25762
  - Palladium-99 γ radiation, 25:28431
  - Rhodium-106* and levels of ^{106}Pd, 23:47019
- PROTASOVA, O. V. Effects of gamma radiation on the anaphylactic reaction in guinea pigs, 22:51320
- PROTASOVA, T. G. Delayed response of hemopoietic tissue to protons and x irradiation combined with acceleration, 21:20358
  - Remote reactions of hematopoietic tissue to proton and x-ray irradiation in combination with G-forces, 23:35868 (AD-682794)
- PROTHERO, W. A. Jr. Superconducting gravimeter, 22:45367
- PROTICZ, M. Effect of tracer ^{32}P doses on male gonads, 24:34691
- PROTO, G. R. Properties of vanadium dioxide thermal filaments, 25:27906
- PROTOGENOV, A. P. New type of quantum electromagnetic waves in a strong magnetic field, 24:45389
- PROTO-OTERO, A. N. Gamma—gamma coincidences in ^{140}Ce, 25:3646 (CNEA-275)
- PROTOP, C. Angular correlation and lifetime measurements in ^{193}Ir, 23:52160
  - Calculation of beta-decay observables, 24:45831
  - Correct use of CVC theory in first-forbidden β^- decay of ^{186}Re, ^{188}Re, and ^{170}Tm considering the Woods—Saxon superfluid corrections, 22:53178
  - High-resolution magnetic β-ray spectometer, 22:43093
  - Intensity of x rays produced by Moessbauer absorption, 21:23575
  - Nuclear structure effects in the internal conversion of some magnetic dipole transitions in deformed nuclei, 25:56756
  - Optimum conditions for Moessbauer transmission experiment, 22:3176
  - Superfluidity corrections by using the Woods—Saxon potential, 23:31027
- PROTOPOPESCU, V. Comments on certain instabilities in the initial-value problem, 25:39337
  - Corrections to scattering kernel for study of neutron thermalization, 25:5488
  - Neutron thermalization nonhomogeneous equation, 24:28679
  - Solving time-dependent nonhomogeneous thermalization equation, 25:5478
- PROTOPOPOV, A. N. Anisotropy of fission neutron emission, 25:1777
  - Comparison of the neutron emission characteristics in the fission of ^{233}U and ^{235}U, 21:12070
  - Energy and mass distribution of fragments from fast neutron fission of ^{235}U, 23:19292
  - Fine structure of energy spectra of fragments resulting from fission of ^{235}U by thermal neutrons, 23:47002
  - Fine structure of fragment yield at fission of heavy nuclei, 24:22177
  - Mass yields at fission of ^{235}U by thermal and fast neutrons for fixed kinetic energies, 24:33149
  - Spectra of fission neutrons of ^{244}Cm, ^{242}Pu, and ^{239}Pu, 23:37214
  - Structure of the fragment kinetic energy spectra at fission of ^{233}U by fast neutrons, 21:21561
- PROTOPOPOV, D. D. Underground nuclear explosions, 21:1484 (AEC-tr-6777)
- PROTOPOPOV, I. Ya. Electron—positron colliding beam (3.5 GeV) machine VEPP-3 at Novosibirsk, 22:32252 (CEAL-2000, pp 102-3)
  - Prog. rpt. on 3.5 GeV electron-positron colliding-beam installation (VEPP-3), 24:15722 (SLAC-Trans-109)
- PROTOPOPOV, L. A. Phase of VLF signals during solar eclipse on Sept. 22, 1968, 25:2997
- PROTOPOPOV, O. D. Emission parameters of faces of a niobium single crystal, 22:46268
- PROTOPOPOV, P. B. Some aspects of elaborating equipment for intracavitary irradiation of malignant neoplasms, 24:12203
- PROTOPOPOV, V. N. Germanium gamma spectrometer, 23:33481
- PROTOPOPOVA, E. M. DNA synthesis of germinating seeds of Crepis capillaris, 21:32619
  - Duration of potential damages of chromosomal structure induced by radiation, 22:19316
  - Premutational oxygen-sensitive changes of chromosomes induced by irradiation of seeds, 25:55168
- PROTOPOPOVA, N. P. Chemico—spectral method of analyzing high-purity Sb, 23:24071
- PROTSCHKA, H. Techniques for investigating integrated circuit dielectric isolation media, 23:17869
- PROTSENKO, A. V. Effect of etching on surface and energy resolution of silicon surface-barrier detectors, 24:14265
- PROTSENKO, G. P. Polarographic determination of the solubility of molybdenum and zinc in fertilizer, 22:22966
- PROTSENKO, I. M. Collective interaction of ion beams with plasma, 22:5350
  - Low-frequency instability in inhomogeneous plasma, 24:35448
  - Stability of plasma in linear tubular discharge, 21:29308
- PROTSENKO, L. N. Effect of nuclear radiation on the phase composition of uranium alloys with low content of alloying elements, 21:43611
  - Influence of reactor irradiation on the phase composition of uranium containing small quantities of alloying elements, 22:23847 (AERE-Trans-1093)
- PROTSENKO, M. I. Fluorescence of fibroblasts after x-irradiation, 24:25551
- PROTSENKO, V. N. Increasing the discharge duration in spark chamber up to 10 to 100 μ sec, 21:6198 (JINR-P13-3064)
  - Increasing the discharge time in a spark chamber to 10 to 100 msec, 23:38314 (NP-tr-1810)
- PROTSIDIM, P. S. High-temperature radiolysis of m-terphenyl and its hydrogenated derivatives, 25:172
  - Thermal and radiation initiated conversions of terphenyl isomers and their hydrogenated derivatives, 25:29113
- PROTSIK, R. Effects of nuclear methods approximations on LMFBR analysis, 25:25965 (GEAP-13551)
  - Epithermal capture and fission distribution in fuel rod: computer code REAX, 21:5615 (GEAP-4973)
  - Users manual for DOT2DB: two-dimensional multigroup discrete ordinates transport/diffusion code, 24:22054 (GEAP-13537)
- PROTSIK, Robert LMFBR bulk shielding calculations with discrete ordinates transport theory, 25:41412
- PROTSOP, K. Correction matrix elements for the first forbidden β^- transition in ^{198}Au, 25:20438
- PROTTER, S. R. Water quality control in HFBR, 21:38657 (BNL-11561)
- PROTTI, A. Sintering in carbon dioxide of uranium dioxide, 22:49794
- PROTTI, A. M. Production of high-density stoichiometric dioxide sintered products for nuclear applications, 22:21762 (ORNL-tr-1866)
- PROUDFOOT, E. A. Nondestructive determination of mechanical properties of refractory materials, 21:26896
- PROUDLOVE, Michael Joseph Improvements in nuclear reactors, 25:10198
- PROUILLAC, Ch. Economic comparison of the fuel cycles of various nuclear power plants, 23:40372
- PROUKAKIS, C. Age dependence of radiation sensitivity of haemopoietic cells in the mouse, 21:39499
  - Effect of radiation on rat erythrocytes, 23:45865
  - Hematopoietic changes following irradiation, 25:29634
  - Radiation effects on bone-marrow stem-cell population, 24:23339 (CONF-690501-, pp 603-12)
- PROULOV, I. Radionuclides in IRR-1 reactor water, 21:30253 (IA-1077)
- PROUST, J. Uv action on genetic recombination, 24:2632
- PROUST, Jacqueline Action of ultraviolet light on genetic recombination by irradiation of Drosophila females, 23:20167
  - Action of uv on genetic recombination in Drosophila melanogaster oogonia, 22:10748
  - Effects of pre-treatment of female D. melanogaster with actinomycin D on frequency of dominant lethals induced by x rays in mature spermatozoa, 23:43742
  - Mutagenic action of uv on oogonia of Drosophila. I, 21:36540
  - Mutagenic action of uv on oogonia of Drosophila. II, 21:39388
- PROUT, E. G. Thermal decomposition of lithium azide, 22:33448
  - Thermal stability of γ-irradiated Sr azide, 23:28902
- PROUT, George R. Jr. Irradiation and 5-fluorouracil as adjuvants in the management of invasive bladder carcinoma. A cooperative group report after 4 years, 24:39542
- PROUT, W. E. A sol-gel thorium oxide with improved dissolving characteristics, 21:43670
  - Curium process development. III-4, 24:5705 (DP-1142)
  - Thorium oxide or thorium—uranium oxide with magnesium oxide, 21:26883
- PROUT, William E. Removal of cesium from aqueous solutions by ion exchange, 21:8429
- PROUTEAU, L. P. Response of Fermi fuel subassembly outlet thermocouples under normal and fuel-failure conditions, 22:4508

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  - Magnetic structure of U_3P_4, 25:12028
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  - Non-equilibrium solidification and structural transformations during heating in aluminum-molybdenum and aluminum—chromium alloys, 25:55535
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  - Quasi-two-body final states produced in $\pi^{+}p$ interactions between 3 and 4 GeV/c, 22:20143
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- PUCAR, Zvonimir Accumulation of ^{106}Ru by mussels, 22:28324
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  - Kinetic behavior of the HO_2 radicals and their acid form with respect to the ferrous and ferric ions, 24:48108 (LIB/Trans-282)
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  - System of proportional wire chambers on-line with a computer, 25:42156
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  - Woody plants: changes in survival in response to long-term (8 years) chronic gamma irradiation, 24:48738
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  - EPR spectra of γ-irradiated lysozyme chloride monocrystal, 25:23611 (JPRS-52467, pp 6-11)
  - Glycine residua in localization of radiation lesion in γ-rayed polypeptides and proteins, 22:28366
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  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:4560 (NYO-910-121)
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  Radiation-induced paramagnetic states in GeO_2 glasses and crystals, 24:5198
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PURCELL, Terry Leonard Radiation-induced paramagnetic states of alkali—germanate glasses, polycrystalline GeO_2, and single crystals of GeO_2, TiO_2, and SnO_2, 23:46548
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Recoilless fraction and thermal shift of ^{182}W and ^{183}W, 23:42508
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PURIC, J. Stark broadening of neutral He line 5876 A in plasma, 24:35411
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  Cumulative indexes to the analytical chemistry division annual progress reports, 1964—1966, 21:12284 (ORNL-3904(Rev.1))
  Isotopes and radiation technology. Vol. 8, No. 1, 24:50524
  ORNL master analytical manual, indexes, 1953—66, 21:12288 (TID-7015(Indexes)(Rev.4))
  Permuted Isotopes and Radiation Technology indexes, 1962—1969, 25:23740 (ORNL-IIC-31(Vols.1-7))
  Prog. rpt. on analytical chemistry, annual, 10/65—10/66, 21:12285 (ORNL-4039)
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- RACHUK, W. Filter testing program: Atomic Energy of Canada Limited, 21:31925 (CONF-660904-Vol.1 and 2, pp 979-1019)
- RACINE, C. Problem of two rotating bodies in the relativity theory, 21:21107
- RACINE, Joseph Albert Rene Stars in reflection nebulae, 23:32090
- RACINE, Rene C—M diagram of M12, 25:32890
  - Optical observations of BL Lac = VRO 42.22.01, 23:34187
  - Photometry of BL Lac with a time resolution of 15 seconds, 24:15004
  - Photometry of M67 to M/sub v/ = +12, 25:52512
  - Reddening of M3, M13, M31, and M33 from photometry of late-type field stars, 24:1224
  - Ros 4, a distant open cluster associated with nebulosities, 23:51215
  - UBV photometry of reflection nebula Ced 201, 25:32888
- RACISZEWSKI, Zbigniew Gamma-irradiation of maleic anhydride in benzene, 22:8142
- RACK, E. P. A radiochemical experiment in gas chromatography, 21:5978
  - Application of isotopically-labeled bromine for the determination of trace unsaturation in alkanes, 24:38753
  - Complicating role of reactions induced by isomeric transitions in neutron activation analysis for ^{82}Br and ^{130}I, 22:44989
  - Effect of moderators on isomeric-transition-induced reaction of ^{82}Br with methane, 21:17697
  - Iodine organic yields in hydrocarbon matrices at 77°K, 23:21773
  - Isomeric transition activated reactions of ^{82}Br with gaseous methyl bromide, 24:38908
  - Isotope and concentration effects of Br in benzene at 77°K, 24:33742
  - Kinetic energy isotope effects of bromine reactions activated by radiative neutron capture in gaseous CH_3F and CD_3F, 25:39556
  - Radiative neutron capture organic yields, 23:40747
  - Reactions of iodine with olefins. II. Radiative neutron capture induced reactions of ^{128}I with various C_4 isomers: evidence for a mechanism other than autoradiolysis in the condensed state, 25:54705
  - Substituent effects in ^{130}I reactions, 23:9495
  - Szilard—Chalmers organic yields in liquid and solid alkyl iodides, 24:19026
- RACK, Edward P. Influence of molecular parameters on ^{79}Br(n,γ)/sup 80m/Br and /sup 82m/Br(I.T.)^{82}Br processes in liquid hydrocarbons, 22:25439 (COO-1617-4)
  - Isotope effects of iodine reactions activated by the radiative neutron capture and isomeric-transition processes in liquid hydrocarbons, 22:30536
  - Nature of (n,γ) and (I.T.)-activated Br reactions in liquid isomers of hexane, 21:4584
  - Nature of isomeric-transition-induced ^{82}Br reactions with CH_4 and CD_4, 22:33443
- RACKLEY, R. A. SNAP 50/SPUR power conversion system objectives, 21:19820
- RACKOVA, V. A. Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials, 25:46829
- RACO, Roland J. Stability of a plane fluid interface in the presence of a transverse electrostatic field, 23:22967
- RACOVEANU, N. Electronic devices and circuits in installations provided with radioactive isotopes, 21:30758
  - Methods of detecting internal radiocontamination with radioactive iodine and sulfur, 21:4800
  - Radiotoxicological aspects of radioactive contamination, 21:32659 (JPRS-39318)
  - Relation between excretion of radionuclides and burden of radioactivity in the body, 23:29328
  - Technique for the determination of binucleated lymphocytes in persons exposed to low x-ray doses, 23:10099
- RACZ, I. Effects of radiosterilization on sealed aqueous solutions, 22:52099
- RACZKA, K. Investigations of solidification front and the depth of the liquid phase in concast billets by the technique of radioactive traces, 25:34820
- RACZKA, R. Clebsch—Gordan coefficients for coupling of SL(2,C) principal-series representations, 24:20191
  - Clebsch—Gordan coefficients for Lorentz group. I, 21:35319 (IC-67/50)
  - Continuous degenerate representations of noncompact rotation groups. II, 21:7527
  - Coupling problem for U(p,q) "ladder" representations. I, 21:2484 (IC-66/102)
  - Coupling problem for U(p,q) ladder representations. II, 22:15822
  - Coupling problem for U(p,q) ladder representations. I, 22:17990
  - Degenerate representations of non-compact Lie groups, 21:15366
  - Degenerate representations of symplectic groups. I, 22:48340
  - Discrete degenerate representations of noncompact rotation groups. I, 21:4084
  - Discrete degenerate representations of non-compact unitary groups, 21:7530
  - Eigenfunction expansions associated with the second-order invariant operator on hyperboloids and cones. III, 21:40247
  - Infinite-dimensional irreducible representations of Lie algebras of compact unitary groups, 21:940 (IC-66/101)
  - Recursion and symmetry relations for the Clebsch—Gordan coefficients of the homogeneous Lorentz group, 24:20192
  - Relativistic two-particle wave equations, 23:15229
  - Representations of higher symmetry groups, 23:46754
  - Semi-relativistic equation for quark—antiquark systems, 22:32122
- RACZKIEWICZ, J. Results of x-ray irradiation of thymus gland in Myasthenia gravis, 25:26877
- RACZKOWSKI, J. Effect of high-energy irradiation on wood, 25:24672
- RACZYNSKA-GAJEWSKA, J. Effect of gamma radiation on plasma alkaline phosphatase activity, 22:40562
- RACZYNSKI, W. Sodium pumps for RAPSODIE, PHENIX, and subsequent fast breeder reactors, 24:52892
- RACZYNSKI, Wladislaw Equipment for the fast reactor program, 24:43744
- RADA, G. Calibration of Am—α—Be neutron source by the manganese sulfate method, 24:30679
  - Measurement of temperature coefficient in nuclear reactor from xenon poisoning, 24:18741
  - Reactor power measurements from xenon poisioning, 24:22503
  - Temperature indicating materials in high level radiation fields, 24:11876
  - The use of xenon poisoning for measurements of reactor parameters, 23:4352
  - Use of chemical temperature indicators in high-level radiation fields, 23:35562
- RADAK, B. Dosimetric intercomparison measurements in core of reactor ISIS at Saclay, 23:52416
  - In-pile dosimetry techniques used in RA and RB research reactors at Vinca, 22:12110
  - Radiolytic behavior of solid malonic and succinic acids, 23:17467
  - Radiolytic behavior of solid malonic and succinic acids, 23:21761
  - Spectrocalorimetric measurements in core of heavy water reactor, 25:57123
- RADAK, Branislav Dosimetric calibration of VK-3 and VK-7 experimental holes of the RA reactor, 24:24887
- RADAK, V. M. Ion exchange equilibria in synthetic zeolite 4A in a mixed solvent system, 25:44433
- RADAK, Vukosava M. Using the molecular sieve 4A in decontamination of fission product aqueous solutions, 21:19737
- RADAKOVIC, N. Concentration of Cr, Mn, Fe, Zn, and Ru traces by Al and Sr phosphates, 25:23655
- RADANOVIC, L. Analog computer method for solving flux distribution problems in multiregion nuclear reactors, 22:46956
- RADASCH, C. A. Airborne release of particles in incidents involving Pu metal, 23:29020
  - Airborne release of particles in overheating incidents involving Pu, 22:43014 (BNWL-SA-1735)
  - Plutonium release studies. III, 22:37708 (BNWL-786)
  - Plutonium release studies. IV, 23:13868 (BNWL-931)
- RADAVICH, J. F. Stability of Alloy 718, 24:2954
- RADCHENKO, R. V. Characteristics of magnetogasdynamic converter installations operating in Rankine cycle, 22:34327
  - Maximal conductivity of multicomponent mixtures of ionized gases, 21:31413
- RADCHENKO, S. V. Multiparameter optimization of an atomic power plant with base-point distillation of sea water, 25:23378
- RADCHENKO, V. M. Power supply and control of accelerators, working on principle of Tesla transformer, 22:39510
- RADCHENKO, V. V. Fermion resonances in the Veneziano model, 25:47843
- RADCLIFFE, D. Shielding measurements using Nimrod external proton beam, 23:3865 (RHEL/M-112)
- RADCLIFFE, D. W. Two-phase flow and heat transfer in multirod geometries: subchannel and pressure drop measurements in a nine-rod bundle for diabatic and adiabatic conditions, 24:31579 (GEAP-13049)
- RADCLIFFE, J. M. Some properties of coherent spin states, 25:56451
- RADCLIFFE, John B. Jr. Livermore Pool Type Reactor (LPTR), 21:27809 (UCRL-4919(Rev.2))
- RADCLIFFE, R. E. Diffusion-theory depletion analysis of Yankee core, 21:34116 (WCAP-6077)
  - Evaluation of fuel depletion and Pu buildup in Yankee, 22:22771
- RADCLIFFE, S. V. Effects of hydrostatic pressure on terminal structure and mechanical behavior of beryllium, 21:16599
  - Effects on hydrostatic pressure on mechanical behavior of body centered cubic refractory metals and alloys, 22:36454 (N-68-15715)
  - Internal void formation in powder metallurgy tungsten, 23:3082
  - Mechanical behavior of beryllium at high pressure, 24:1011
  - Mechanical behavior of tungsten, 23:33975
  - Prog. rpt. on bcc refractory metals and alloys, 6/1/65-6/1/66, 21:13259 (N-66-34696)
- RADCLIFFE, T. J. Academic-governmental-industry education for applied nuclear research, 25:39661
- RADCLIFFE, Thomas J. Apparatus for producing a collimated beam of radioactive rays, 24:16749
- RADE, J. Uranium deposits at Westmoreland and Arnhem Land, 25:29234
- RADEBAUGH, R. Numerical analysis heat exchangers for dilution refrigerators, 25:45433
  - Upper limit on electron—phonon interaction in vanadium carbide, 25:3034

- RADEBAUGH, Ray Analysis of heat exchangers for dilution refrigerators, 25:45441
  - Thermophysical properties of the lanthanide oxides. IV, 23:17438
- RADEBOLD, R. Conversion process with two-phase material flow, 21:29083
  - Experiments in MHD restricting jet tube project, 21:29084
  - Nuclear energy supply for space vehicles with liquid metal MHD converter, 22:47001
- RADEBOLD, Reinhart Analysis of a direct conversion process with a liquid metal working fluid, 22:34331
  - Condensation process based on Carnot cycle for liquid-metal MHD converters, 25:27478
  - Device for accelerating the flow of a liquid, 21:33255
  - Nuclear ramjet, 21:2870
- RADECKI, P. Magnetic beta-ray spectrometer on beam of U-300 heavy ion cyclotron, 24:1683 (JINR-E6-4593)
- RADECKI, T. Gastric secretion in cats after intensive irradiation connected with previous and simultaneous hypoxia, 24:14523
- RADEK, S. In-line polarography for uranium determination in process waste solution, 25:8 (KFK-1144)
- RADEKA, V. Automatic gain-controlled amplifier for beam profile monitors, 25:50510
  - Automatic gain-controlled amplifier for beam profile monitors, 25:50576
  - Charge amplification without charge leak resistor, 24:39316
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  - Fast multiplier employing field-effect transistors, 22:12715
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  - Field-effect transistor noise as a function of temperature and frequency, 23:21997
  - Least-square-error amplitude measurement of pulse signals in presence of noise, 21:26185
  - Optimum signal-processing for pulse-amplitude spectrometry in the presence of high-rate effects and noise, 22:40449
  - Parametric pre-amplifier circuit for charged particle detectors, 24:2465
  - Signal filtering—high counting rate problems, 23:31538 (BNL-13683)
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  - Signal processing for high-resolution pulse-amplitude spectrometry, 23:22073
  - Time-variant filters for high-rate pulse amplitude spectrometry, 21:30686 (BNL-11382)
  - Time-variant filters for high-rate pulse-amplitude spectrometry, 23:22072
- RADEKA, Veljko Effect of baseline restoration on signal-to-noise ratio in pulse amplitude measurements, 21:43247
  - Noise in physical measurements, 23:33125 (BNL-13591)
  - Overload recovery circuit for charge amplifiers, 24:2440 (BNL-14058)
  - Overload recovery circuit for charge amplifiers, 24:39331
  - State of the art of low noise amplifiers for semiconductor radiation detectors, 22:49068 (BNL-12798)
- RADEKE, K. H. Oxygen ion conduction in ZrO_2—Gd_2O_3 system, 22:49847
- RADEL, Stanley R. Geometric-mean variation function for H_2^+, 23:27338
- RADELOFF, C. Influence of C on Curie temperature and spontaneous magnetization in NiFe alloys with 20 percent to 50 percent Ni, 24:11399 (SC-T-70-4004)
- RADELOFF, J. Measurement of lifetimes up to one second of isomeric nuclear states populated in the decay of radioactive sources, 21:7798
  - Measurement of the 0.8 s halflife of /sup 207m/Pb by the technique of delayed γ—γ coincidences, 21:25543
- RADELOFF, J. O. Pulse-height compensation system for Ge(Li) timing, 23:17774
  - System operation of PDP-7 computers at LRL, Berkeley, 23:41136 (UCRL-18883)
- RADEMAKER, H. Radiation damage and stage III annealing of Mo, 24:39676
- RADENAC, A. Differential enthalpy study of the α—β transformation in Pu, 23:46084
- RADENAC, Antoine Temperature, heats, and nonisothermal kinetics of transformations α in equilibrium β and β in equilibrium γ of Pu, 23:38991
  - Thermal diffusivity of Pu alloy stabilized delta phase, 25:29876
- RADENKOVIC, D. Swelling of metallic nuclear fuel, 24:14854
- RADER, R. K. $\pi^+n \rightarrow$ eta p: Regge parametrization using Veneziano-type residue functions, 24:1523
- RADER, Robert Peripheral production in the forbidden reaction $\pi^-p \rightarrow Y^{*-}K^+$, 23:14984
- RADER, Robert K. eta' production in π^+d interactions from threshold to 2.4 GeV/c, 24:18078 (UCRL-19431)
  - Evidence against an I = 5/2 baryon resonance of mass 1640 MeV/c^2, 23:34528
  - Strange-particle production in π^+d interactions from 1.1 to 2.4 GeV/c, 24:45437
- RADER, Robert Kent eta' production in π^+d interactions from threshold to 2.4 GeV/c, 25:19923
- RADERMACHER, E. Angular dependence of K/sub L/—K/sub S/ regenerative scattering for copper and lead at high energies, 24:24223
  - Coherent regeneration from electrons, 24:1501
  - Further results on small-angle elastic proton—proton scattering at very high energies, 25:53015
  - K/sub L/ $\rightarrow \mu^+\mu^-$ and K/sub L/ $\rightarrow e^+e^-$ decays, 24:1504
  - Proton—proton elastic cross section at 30 GeV, 25:38651
  - Pulse transformer for large wire spark chambers, 24:4489
  - Small angle proton—proton elastic scattering at 30 GeV and 45 GeV, 25:38650
- RADERMACHER, Ernst Radiotherapy of malignant bone tumors, 25:13521
- RADESCU, E. Calculation of the Debye—Waller factor for the Moessbauer effect in thin films, 21:37599
  - Frequency spectrum and Moessbauer effect in thin films, 22:11533
  - On the production of isobars in a current algebra approach, 21:17077
  - Weak axial mean square radius of the nucleon from photoproduction sum rules, 22:34915
- RADESCU, E. E. Algebra calculation of the $\pi\pi$ scattering, 23:44654
  - Applications of current algebras, 21:40254
  - Current algebra calculation of $\pi\pi$, I = 0,2 scattering lengths, 24:20149
  - Current commutators, dispersion relations, and K/sub l3/ form factors, 24:40337
  - Dispersion sum rules for the chiral-symmetry-breaking parameter, 24:47491
  - Generalized sum rules for weak axial vector nucleon amplitudes, 23:34606
  - Low-energy relations for on-shell πN scattering, 23:46723
  - Low-energy weak single-pion production by current commutators, 24:15537
  - Proton magnetic moment, its mean radius and axial vector coupling constant calculated by means of simple model for baryons, 23:21078
  - Some applications of current algebras, 25:53191
  - Superconvergent dispersion relations at variable masses, 23:27809
- RADESCU, Eugen E. Pion—nucleon spin-flip current-algebra sum rule, 22:44435
- RADFORD, C. J. Effects of preferential pairing and its detection using electron radiation damage, 25:40773
  - Electron radiation damage and green edge emission of CdS, 24:37546
  - Multi-sample liquid helium cryostat for electron damage luminescence studies, 24:47535
- RADFORD, Edward P. Jr. Circulating antidiuretic hormone in the x-irradiated rat, 23:18098
  - Concentrations of α emitting isotopes in population, 24:48474
  - Polonium-210 in bronchial epithelium of cigarette smokers, 21:22346
- RADFORD, H. E. Detection of methyl alcohol in Sagittarius, 25:9060
  - Search for excited state of OH in W3, 25:9093
  - Search for extraterrestrial $H_2^{18}O$ emission, 25:9076
- RADFORD, H. M. Luteinizing hormone secretion during oestrous cycle of ewe by radioimmunoassay, 24:34001
- RADFORD, Harrison E. 3.8-cm spectrum of OH, 24:46910
- RADFORD, W. E. Evaluation of geomagnetic harmonic series for 1100 kilometers altitude, 22:38882 (N-68-11860)
  - Evaluation of geomagnetic harmonic series for 1100-kilometer altitude, 22:22037
  - Hydromagnetic waves at 6.25 Earth radii with periods between 3 and 240 seconds, 25:40483
  - Ionospheric and magnetic observations at 1000 km during geomagnetic storm and aurora of May 25—26, 1967, 23:39383
  - Ionospheric and magnetic observations at 1000 kilometers, 23:44252 (N-69-21023)
  - Radiation damage to orbiting solar cells and transistors, 21:8664
  - Scalar magnetic intensity at 1100 kilometers in middle and low latitudes, 22:22038
  - Scalar magnetic intensity at 1100 km in middle and low latitudes, 22:38879 (N-68-11591)
- RADHAKANT, S. Charge form factor of ^{4}He, 24:28851
  - Elastic form factor of the ^{6}Li nucleus using improved radial wave functions, 23:13214
  - Structure of ^{14}N nucleus using deformed orbitals, 22:44610
  - Structure of ^{14}N nucleus using deformed orbitals, 23:19172
- RADHA KRISHNA, C. V. Fluctuating flow of a viscous incompressible conducting fluid, 23:18493
- RADHAKRISHNA, P. Isotope and ortho-para separations of the molecular hydrogens by adsorption at low temperatures, 25:8332
  - Sensitive magnetometer based on superconductivity, 22:29425
- RADHAKRISHNA, S. Optical and electrical properties of U-doped LiF and KCl, 24:3449
- RADHAKRISHNAMURTI, P. S. Kinetics of oxidation of γ-hydroxy acids by Cr(VI) and Ce(IV), 25:23572
- RADHAKRISHNAMURTY, C. Titrimetric determination of Fe(II), Mo(V), and Tl(I), 25:57309
- RADHAKRISHNA MURTY, V. Radioactive decay of ^{199}Au, 22:44720
- RADHAKRISHNAN, B. Relative abundance of deuterons in cosmic rays and its astrophysical significance, 25:35912
- RADHAKRISHNAN, D. Clebsch—Gordan series of a semisimple Lie algebra, 23:15166
  - Internal multiplicity structure and Clebsch—Gordan series for the exceptional group G(2), 22:20293
- RADHAKRISHNAN, V. Change of state in pulsar PSR 0833-45, 23:25057
  - Distance and spectrum of 3C 391, 25:35702
  - Distances of the galactic H II regions NGC 3576 and 3603, 24:19615
  - Evidence in support of a rotational model for pulsar PSR 0833-45, 23:14482
  - Fifteen months of pulsar astronomy, 24:19625
  - Magnetic poles and the polarization structure of pulsar radiation, 23:34201
  - Measurements on period of pulsating radio source at 1919 + 21, 22:29054
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  - Penetration depth in two-band model superconductors, 21:29171
  - Photosensitive tunneling in superconductivity, 24:19835
  - Pulsar H-line absorption and dispersion in the interstellar medium, 24:19612
  - Search for OH emission from Magellanic Clouds, 21:22960
  - Spin temperature of the interstellar neutral hydrogen, 24:3135
  - Spin temperature of the interstellar neutral hydrogen, 24:12613
  - Tunnelling in two-band model superconductor, 21:2131
  - Use of H I absorption to determine distance to 10 galactic radio sources, 24:51323
  - Zeeman splitting of 21-cm absorption line in Orion A, 25:38069
- RADIC, S. Technology of UO_2 sintering, 22:2685
- RADICATI, L. A. Algebra associated with the vector and axial-vector current, 22:11695
  - Breaking of the SU_3 x SU_3 symmetry in hadronic physics, 25:38763
  - Dynamical breaking of SU(3), 22:39462
  - Hadron and lepton internal symmetries, 21:29584
  - Universal weak coupling and nonleptonic interactions, 23:23440
- RADICELLA, R. Determination of gold sol concentrations from spectrophotometric data, 21:23833
  - Isotope and phase effects in halomethanes, 23:40719
  - Measurement of the instrument response function in the single photoelectron technique, 25:23813
  - Methods of testing radiopharmaceuticals, 25:6269
  - Perturbation of the thermal flux of neutrons in cylinders of gold, 23:49295 (CNEA-243)
  - Phagocytosis of radiogold in rats, 24:48376
  - Preparation and biological behavior of radiogold colloids stabilized with polyvinylpyrrolidone, 22:43352
  - Preparation and biological behavior of radioactive Au colloid protected by PVP, 23:9978 (CNEA-213)
  - Production of radioisotopes in a synchrocyclotron, 24:20793 (ORNL-tr-2006)
  - Specifications and norms of radiopharmaceuticals, 23:33736 (CONF-670649-12)
- RADICELLA, Renato Method of production of carrier-free ^{155}Eu at curie level, 22:37778 (CEA-R-3384)
- RADICELLA, S. M. Satellite scintillation observation during local summer at low southern geomagnetic latitudes, 21:9414
  - Theoretical models of electron and ion density in nighttime D region, 22:52668
- RADICELLS, Renato Process for the isolation of ^{32}P from irradiated S, 21:24103
- RADICHEVA, M. New electronic device for radiothermoluminescent research, 21:22173
- RADICHEVA, M. A. New method for radiothermoluminescent research, 24:27455
  - Study of the deposition of radioactive fallout in certain places in Bulgaria, 21:16007
- RADICHEVA, Marina Investigations on thermoluminescence of $CaSO_4$:Mn with view to application in dosimetry, 22:23335
- RADICI, B. Ecological study of periphyton and identification of environmental radioactivity in a running-water ecosystem, 25:29478
- RADIN, Jonathan Cross section for $^{11}C(\alpha,\alpha n)^{11}C$, 24:49763
- RADIN, S. Collision integral for a plasma in a strong magnetic field, 21:29240
  - Evolution of probability distributions and of correlation functions in Bogolubov plasma, 21:39999 (ARL-67-0103)
  - Evolution of probability distributions and of correlation functions in Bogolyubov plasma, 22:34666
  - Transport properties of a plasma in a strong magnetic field, 24:51675
- RADIONOV, Yu. F. Nuvistor preamplifier for semiconductor detectors, 23:11765
- RADIONOVA, N. S. Polarographic determination of uranium(VI) after extraction with tributyl phosphate, 22:48822
- RADIOU, Jean Preparation and crystalline structure of UBa sulfide: $BaUS_3$,, 25:2204
- RADISAVLJEVIC, K. Laser action in selected compounds containing C, N, and H or D, 22:50982
- RADIVICH, Mirjana M. Identification of radio sources from Ohio survey, 25:58558
- RADIVOJEVIC, D. Radiation protection studies with essential phospholipids of EPL substance, 23:29589
- RADIVOJEVIC, Dusanka Effect of propylthiouracil on growth and morphological changes of thyroid intraocular grafts x irradiated in vitro before transplantation, 23:50366
- RADIVOJEVIC, Dusanka V. Ultrastructural changes of thyroid intraocular grafts x-irradiated in vitro before transplantation, 22:12813
- RADKE, George E. Correlation of dosimetric measurements with charged-particle environment of the inner Van Allen belt, 21:37285
- RADKE, L. F. Interactions of cloud condensation nuclei and ice nuclei with cloud and precipitation elements, 25:26362 (CONF-700601-, pp 37-48)
- RADKEVICH, I. A. Magnetic spectrometer of missing masses, 25:39757 (ITEF-808)
  - Spark chambers with lead electrodes for electrons and photons, 24:11837
  - Thin foil electrodes for large-dimension spark chambers, 24:11838
  - Thin-walled liquid hydrogen target, 22:20390
  - Thin-walled target with liquid hydrogen, 21:1688
- RAD'KOV, A. I. Critical temperature of superconducting alloys of Nb—Ti—Ta system, 25:19629
  - Thermal conductivity of 29NK-type alloy at temperatures between 80 and 239°K, 25:13685
- RADKOWSKI, Alfred Franz Source description of gravitation, 24:24439
- RADLER, K. Optical absorption measurements of Ta, W, Re, and Pt in euv, 24:3468
- RADLEY, D. NPD: annotated bibliography of published literature, 24:28981 (AECL-2205(Rev.))
- RADLEY, D. E. Approximate solutions to the electron-flow equations, 21:13606

- RADLEY, J. H. Response of Sinapis alba to irradiation in different growth media, 25:604
- RADLEY, K. Solvent isotopes effects on chemical shifts of complex fluoro ions in H_2O and D_2O solutions, 25:37381
- RADLHAMMER, George Magnetic field fit to the 30" BNL bubble chamber, 22:23319 (BNL-12374)
- RADLICK, Phillip Base-catalyzed deuterium exchange of tricyclo[4.3.1.0]deca-2,4,7-triene, 21:42921
- RADLINSKI, Ronald Paul Antiproton—proton annihilation into four and five pions at 2.4 and 2.9 GeV/c, 24:32962 (IS-T-358)
- RADLOVA, L. N. Explanation for the albedo differences on the moon, 22:36584
- RADLOWSKI, C. Dechlorination of DDT in solution by ionizing radiation, 25:48538
- RADLOWSKI, Cecelia γ radiolysis of 2-propanol. V. Oxidation by carbon tetrachloride, 24:41330
- RADLOWSKI, Cecilia Mechanism of the radiation-induced dechlorination of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane in alcholic solution, 25:54620
- RADMAN, M. Phenomenological theory of repair kinetics of ultraviolet irradiated lambda phage, 25:21977
  - Protection and host cell repair of irradiated lambda phage. I, 23:38622
  - Protection and host cell repair of irradiated lambda phage. III, 23:38624
  - Protection and host cell repair of irradiated lambda phage. II, 23:38623
  - Pyrimidine dimer-induced enhancement of recombination among lambda bacteriophages, 24:31908
  - Repair of radioinduced dimers of pyrimidines in DNA of bacteriophage lambda, 24:6153
  - Target size of DNA in ultraviolet irradiation, 25:42300
  - Ultraviolet reactivation and ultraviolet mutagenesis of lambda in different genetic systems, 25:21981
- RADMAN, Miroslav Complementary action of recombination and excision in the repair of ultraviolet irradiation damage to DNA, 24:39434
  - Excision repair of non-replicated uv-damaged E. coli DNA, 25:4463
  - Uv-reactivation of bacteriophage lambda in excision repair-deficient hosts: independence of red functions and attachment regions, 25:21982
- RADMER, C. A. High field measurements at 200 MHz in conventional proton linear accelerator geometries at 5, 50, and 130 MeV, 21:11834 (LA-3609, pp 176-82)
  - Performance and cost studies for a mountain altitude high energy cosmic ray beam facility, 21:17099 (CONF-660918-, pp 220-3)
  - Rf perturbation measurements in long linac cavities, 21:5432 (MURA-723)
  - Rf perturbation measurements in long linac cavities, 21:38031
- RADNIC, I. Computer system for pseudo-random transformation of nuclear data, 23:41051
- RADO, J. P. Diagnostic value of ^{131}I-labeled triiodothyronine red blood cell uptake test, 22:10812
  - Radioisotope renography during furosemide (Lasix) diuresis, 23:12174
- RADO, V. Level structure of ^{116}In, 24:47591
  - M1 transitions following the slow-neutron capture in ^{115}In, 23:23690
  - Measurement of the diffusion parameters of organic moderators with the pulsed neutron source technique, 21:21698
- RADO, Vittorio Measurement of diffusion parameters in organic moderators using a pulsed neutron source, 22:50846
- RADOCHOVA, Miluse Mutagenic effect of ultraviolet radiation and nitrous acid on Mycobacterium phlei, 21:34833
- RADOJICIC, D. Confirmation of the $\Xi(1815)$ and evidence for a new Ξ resonance with mass 2030 MeV, 23:1592 (BNL-12808)
  - Precision measurement of Ω^- and Ξ^0 masses, 22:26573
- RADOLA, B. J. Identification of irradiated meat by thin-layer gel chromatography and solubility studies, 25:49327 (EUR-4618)
  - Properties of γ-irradiated horse-radish peroxidase, 25:24051
  - Radiation-induced sarcoplasmic protein fraction in meat irradiated at 0 and -30° C, 25:21995
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RAHN, Ronald O. Ultraviolet-induced excited states in deoxyribonucleic acid, 22:12823
RAHNEBERG, Eric Plane wave propagation through a compressible inhomogeneous plasma. scientific report no. 4, 21:31421 (AFCRL-67-0299)
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  - Positions and Stokes parameters of seven OH emission sources, 23:44063 (AD-679895)
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  - Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific interoceanic canal: transport and accumulation of radionuclides, 24:27558 (BMI-171-30)
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  - Heat-transfer analysis in loss-of-coolant accidents, 22:30186
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  - Microhardness of fast-neutron-irradiated silicon monocrystals, 22:41691
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  - Completion report: evaluation of the use of permselective membranes in the nuclear industry for removing radioactive xenon and krypton from various off-gas streams, 25:29317 (ORNL-4522)
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  - Magnetic structures of praseodymium and neodymium, 25:47637
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  - Porous bodies of Ta, Nb, and Al fabricated by metal-spray processes, 22:17084 (66-C-318)
- RAIS, J. Distribution of some salts of univalent metal ions and 2,4-dinitro-N-picryl-l-naphthylamine between water and nitrobenzene phase, 23:49904
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  - Extraction exchange reaction Cs$^+$(aq) + H$^+$(org) reversible Cs$^+$(org) + H$^+$(aq), 22:6415

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  - Sensitivity and induction of mutations in sorghum, 25:6681
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  - Statistical parameters of metabolism of ^{137}Cs of global origin among inhabitants of Arctic regions, 23:6337 (A-AC-82/G/L-1183)
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  - Uranium geochemistry and granitic differentiation in uranium-bearing province of Nord-Limousin, 25:34749 (CEA-R-4034)
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  - Real part of the rho—nucleon forward scattering amplitude and the relative rho—ω production phase, 25:59252
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  - Prog. rpt. on differential energy spectrum of geomagnetically trapped protons with Injun 5 satellite, 25:47379 (AD-714513)
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- RANDALL, Charles A. Jr. Conference on extra-terrestrial matter, Argonne, Ill., 3/68, 23:46156
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  Prog. rpt. on microradiography of thin bone sections, 12/15/68, 23:12144 (COO-1601-15)
  Prog. rpt. on mobilization of radioactive emitters from bone, comprehensive, 1966—68, 23:11985 (COO-1601-13)
  Prog. rpt. on radioisotope uptake in bone, 1967, 22:14915 (TID-24217)
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  Prog. rpt. on oxide fuel element, 9/30/68, 23:22620 (WARD-3791-28).

- Prog. rpt. on sodium technology program, 3/70, 24:46697 (WARD-4173-1)
- Prog. rpt. on stainless steel cladding, 3/31/69, 23:45985 (WARD-3791-35)
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- Sodium technology program progress report for the period ending May 31, 1971, 25:55379 (WARD-4210-T-1-2)
- Stainless steel cladding development. Quarterly progress report for period ending March 31, 1970, 24:36899 (WARD-4135-9)
- Type 316 stainless-steel tubing for LMFBR fuel element cladding, 25:4776
- RAY, William E. Prog. rpt. on PuC development, 1—3/67, 21:30288 (WCAP-3791-4)
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  - X-ray spectrographic determination of rare earths in silica—alumina catalysts, 21:15854
- RAYBURN, T. F. IMP facility at ORNL, 24:24034 (LA-4250, pp B5.1-5)
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  - Cylindrically symmetric charged dust distributions in rigid rotation in general relativity, 22:24732
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- RAYFIELD, G. W. Evidence for a peeling model of vortex ring formation by ions in liquid helium, 22:7225
  - Study of the ion—vortex-ring transition, 22:22090
  - Vortex-ring creation by negative ions in dilute mixtures of ^{3}He—^{4}He, 22:34547
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  - Rapid calculation of radioimmunoassay results, 24:2534
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  - Time-resolved measurements of electron energy distributions, 24:8441
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- RAYMOND, D. Charge asymmetry in muonic decay of K_2^0, 21:46472
  - Charge asymmetry in the muonic decay of the K_2^0, 22:22290 (CONF-670923-, pp 484-93)
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- RAYMOND, J. W. Thermal stability for Ti—22 at. percent Nb cables and solenoids, 21:2180
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  - Lumped-model analysis of transistor ionizing radiation effects, 21:6378
  - Prog. rpt. on generalized model for semiconductor radiation response prediction, 9/15/66—12/14/66, 21:39653 (AD-650103)
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  - Prog. rpt. on semiconductor radiation response, 2/15—6/15/66, 21:28858 (AD-640585)
- RAYMOND, Kenneth N. Structure of uranocene, 23:47428
- RAYMOND, L. Annealing behavior of rolled tungsten single crystals, 23:48411
  - Flaw growth in Ti—6Al—4V, 23:35996
  - High-temperature stability of thoria-strengthened nickel—chromium alloys, 23:27175
- RAYMOND, L. D. Performance of open-circuit self-contained breathing apparatus at -25° F, 22:16349 (BM-RI-7077)
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- RAYMOND, M. Still another unsuccessful search for ^{5}H, 22:53080
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- RAYMUND, M. Formation of resonant states in $K^- + p \rightarrow K^- + p$ between 0.8 and 1.2 GeV/c, 21:3996
  - Production and decay of $Y_1^*(1760)$ in the reaction $K^- + p \rightarrow K^- + p + \pi^0$, 21:885
- RAYMUND, Mahlon PSYCHE: physics checking of the ENDF/B evaluated nuclear data file, 25:57174 (CONF-710302-(Vol.2), pp 1004-15)
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- REID, John H. Cape Lyot analysis of flare activity 1958—65, 23:1120
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  - Brueckner—Hartree—Fock calculations using density-dependent effective interactions, 25:56834 (ORO-3765-32)
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- REID, R. L. Final report of research and development in a thermal insulation study. Phase I, March 28, 1966—September 27, 1967, 25:39647 (ALO-3632-20(Rev.1))
  - Prog. rpt. on thermal insulation study, 4—7/67, 21:41095 (ALO-3632-17)
  - Prog. rpt. on thermal insulation study, 9—11/67, 22:12555 (ALO-3632-23)
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- REID, R. O. Disposal of effluents from desalination plants, 24:22859
- REID, Robert C. Properties of gases and liquids, 21:23064
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- REID, W. B. Comparison of the performance of scintillation cameras and rectilinear scanners, 22:38055
  - New method of assessing the performance of scintillation cameras and scanners, 21:305
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- REID, William James Jr. Effect of strain on superconducting transition temperature of In, 22:11392
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  - Low-energy auroral electron energy spectra and angular distributions, 22:47951
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  - X-ray structures of the sun during the importance 1N flare of June 8, 1968, 22:41271
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  - Prog. rpt. on instrumentation for ions in upper atmosphere during aurora, final, 5/14/65—11/14/65, 21:1558 (AD-634299)
- REIER, M. Prog. rpt. on activities of RTG radiation test laboratory, 7—12/69, 24:29442 (N-70-20372)
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- REIER, Melvin Absolute gamma-ray intensity measurements of a SNAP-15A heat source, 25:18601
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- REIERSON, J. D. Gamma-ray measurements with a bent-crystal spectrometer, 24:49890
- REIERSON, James Dutton Measurements of gamma rays and x rays with a bent-crystal spectrometer, 23:32929 (IS-T-290)
- REIF, Arnold E. Localization of radiolabeled antibodies to mouse myeloma protein, 24:46147 (NYO-3468-16)
  - Prog. rpt. on tumor therapy with radiolabeled heterologous antibody, annual, 7/71, 25:54370 (NYO-3468-20)
  - Tumor therapy with radiolabeled heterologous antibody, 24:50968 (NYO-3468-18)
- REIF, E. Bibliogical effects of ionizing radiation, 24:2814
- REIF, F. Energetic neutral excitation in superfluid helium, 22:50113
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  - Far-infrared study of superconductors containing magnetic impurities, 23:32294
- REIF, Isaac Spectroscopic temperature measurements of flames and their physical significance, 25:39375 (IS-T-442)
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  - Excitation of non-normal parity states in inelastic proton scattering, 22:22576
  - Inelastic proton scattering and one-particle—one-hole excitations in light nuclei, 24:5396
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  - Reactions $^{10}B(d,p_0)^{11}B$ and $^{10}B(d,t_0)^9B$ at E/sub d/ = 13.5 MeV, 21:44570 (ZFK-122, pp 222-6)
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  - Environmental surveillance in the vicinity of nuclear facilities. Proceedings of a symposium held in Augusta, Georgia, January 24—26, 1968, 25:16154
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  - Successes and failures of fractionated radioiodine therapy among 700 hyperthyroid patients, 25:11230
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  - Mean primary charge of light fragments from thermal neutron fission of ^{235}U, 21:27614
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  - Determination of O in Zr, Mo, Hf, and W by irradiation with ^{3} ^{4}He, 22:12236
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- REVELL, S. H. Admonition on chromosome aberration induction, and the question of repair, 21:22390
- REVEN'SKA-KOC'TSYUK, B. Use of a new method involving labeling with nonradioactive elements and activation analysis to investigate wear, 22:15191
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- REVESZ, A. Production of ^{125}I from pile-irradiated Xe difluoride, 23:21755
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- REVESZ, L. Cellular composition of mouse thymus after x-ray exposure, 22:43401
  - Changes in cellular composition of bone marrow in x irradiated mice, 21:20338
  - Characterization of small size lymphoid cells in irradiated and normal mouse bone marrow, 25:58120
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  - Effect of bone marrow protection on irradiated mouse thymus, 23:18097
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  - Effect of x irradiation on the cellular sulfhydryl content, 21:12791
  - Fractionated irradiation and the effect of oxygen, 22:38489
  - Interplay between natural and artificial radiation protection, 24:12124
  - Medical radiobiology and modern therapeutics trend toward integration, 23:50745
  - Pilot studies of the cell population kinetics in irradiated tumours, 22:25825
  - Radioprotective mechanisms in radioresistant tumors, 24:34583
  - Specific effect of radiation-sterilized tissues on cellular multiplication, 25:11330
  - Survival characteristics of tissue culture cells after oxic and anoxic irradiation, 24:34588
- REVESZ, Laszlo Chemical protection of the recovery process, 25:42521
  - Dual effect of oxygen, 25:35214
  - Effect of oxygen on cellular survival and recovery after radiation, 24:14570
  - Non-protein sulphydryl and glutathione content of Ehrlich ascites tumor cells after treatment with radioprotectors AET, cysteamine, and glutathione, 22:45615
  - Role of some cellular factors in the development of acquired radioresistance, 23:43847
- REVETTI, L. M. Effects of gamma rays on vegetables, 23:22449
  - Gamma irradiation of Arracacia Xanthorrhiza, 22:43504
- REVETTI, Luis M. Action of γ rays on the preservation of A. xanthorrhiza, 22:45740
- REVIN, A. F. Restoration of radiation damages to cotton seeds during prolonged storage, 22:52025
- REVINA, A. A. Electron stabilization and ionic reactions in irradiated ketones, 25:165
  - Radiolysis of n-alkyl ketones, 23:28895
- REVINA, L. D. Distribution with depth of radioactive particles in iron meteorites, 21:12534
  - Formation rate of cosmogenic isotopes in iron meteorites, 22:25514
  - Simulating cosmic-ray interactions with stony meteorites, 24:32528
- REVIS, V. A. Influence of whole-body x-irradiation on the migration of bone marrow cells after their subcutaneous injection, 24:9929
- REVIZNIKOV, L. I. Impact viscosity of irradiated weld joints of austenitic chromium—nickel steels, 25:52401 (JPRS-53800, pp 176-9)
- REVOL, H. F. CRAC: experimental study of criticality accidents, 25:39678
- REVOL, Henri Criticality of liquid mixtures of highly-enriched UF_6 and HF, 22:48735 (NP-17606)
  - Criticality of liquid mixtures of highly ^{235}U-enriched uranium hexafluoride and hydrofluoric acid, 25:51545 (Y-CDC-9)
- REVOL, L. Concerning two cases of idiopathic thrombocytopenic purpura, treated with microdoses of ^{32}P following failure of classical therapy, 22:47622
  - Lymphography in chronic lymphoid leukemia, 24:2759
- REVOLTELLA, Roberto Effect of irradiation and chloramphenicol on corneal immune response, 22:38433
- REVUSKY, S. H. Association of illness with prior ingestion of novel foods, 21:22759
- REVUSKY, Samuel H. Association of an illness with the prior ingestion of novel foods, 21:43496 (AD-645205)
  - Aversion to sucrose produced by contingent x irradiation: temporal and dosage parameters, 22:43447
- REVUTSKII, E. I. Features of a double-beam accelerating structure, 25:36623
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  - Solubility of oxygen in liquid molybdenum, 24:21370
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  - Functional integrals for many-boson systems, 22:52698
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- REVZEN, Michael Onset of ODLRO and the phase transition in the ideal Boson gas, 22:34548
- REWALD, E. Embryological changes in irradiated eggs of Triatoma infestans, 25:29620
- REWCASTLE, Neill B. Radiation-induced neurofibromata, 21:32700
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  - Efficiency of MHD processes with injection condensation, 22:31672 (AI-Trans-263)
- REX, Roy Kryptonate hydrogen detection system, 23:14058 (NYO-3735-1)
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- REXER, E. New investigations on the origin of brittle fracture in space-centered-cubic metals, 23:41631
  - Properties of solid solutions of interstitial impurity atoms in V, Nb, and Ta, 23:41630
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  - Prog. rpt. on high-temperature protective coatings for refractory metals, 10/21/66—1/21/67, 21:45889 (N-67-25961)
  - Prog. rpt. on high-temperature protective coatings for refractory metals, 7/21—10/21/67, 22:40997 (N-68-13805)

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- Structure of the $ZrCr_2$—$TaCr_2$ system, 21:497
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  - Phase equilibria in U—UAl_2—Al_8Mo_3—Mo system, 25:16537
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- REY, J. Experimental study of neutron levels in odd Yb isotopes through (d,p) reactions, 22:27148
  - Reaction $^{11}B + p \rightarrow 3\alpha$ at E/sub p/ = 7.18 MeV, 21:23423
- REY, P. Activation analysis of In, Cd, Y, and rare earth elements in rocks, 24:41236
  - Rubidium—Sr age and elemental and isotopic abundances of some trace elements in lunar samples, 24:21524
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- REY, Plinio Abundances of 30 elements in lunar rocks, soil, and core samples, 24:20736
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  - Pair effects and neutron—proton surface delta rest interaction in spherical nuclei, 23:37200
  - Veneziano-model predictions for reaction $e^+e^- \rightarrow 2\pi^+2\pi^-$, 24:52033
- REYA, Ewald Neutron—proton surface delta residual interactions in spherical nuclei of odd mass number, 23:47044 (SGAE-PH-77/1968)
- REYERSON, Lloyd H. Deuterium exchange on DNA following adsorption of D_2O vapor, 21:16264
- REYES, A. L. Elimination of a flavor defect in milk treated for ^{131}I removal by ion exchange, 23:8015
  - Removing radioactive I and Sr from milk by ion exchange, 22:48913
- REYES, E. Radiosensitivity of mice exposed to various temperatures and low-dose rate radiation, 25:8768
- REYES, Zoila Continuous production of graft copolymers of starch with acrylamide and acrylic acid by electron preirradiation, 23:24257
  - Graft polymerization of starch in novel alcohol reaction medium, 24:46212
  - Grafting acrylic acid to starch by preirradiation, 22:40147
- REYES L., J Radiation sterilization of orange juice, 24:51123
- REYES L., J. Dosimetry for seeds of Dahlia and Dioscorea irradiated with 1.0 MeV electrons, 25:52087
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  - Relationship between ESR spectra and dose in electron-irradiated borosilicate glasses, 21:31110
- REYES L., S. Relationship between ESR spectra and dose in electron-irradiated borosilicate glasses, 21:31110
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  - Electron spin resonance studies of electron irradiated aluminum oxides, 24:5695
- REYES LUJAN, Javier Electric breakdown voltage in electron-irradiated polyvinyl chloride, 21:31118
  - Radiolysis of petroleum products, 25:57478
- REYES LUJAN, Sergio A. Electric breakdown voltage in electron-irradiated polyvinyl chloride, 21:31118
- REYES-SUTER, P. Decay of /sup 110,110m/Ag to ^{110}Cd, 21:34002
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- REYMANN, F. Late lesions following dermatologic radiotherapy, 23:29874
  - Late lesions following dermatologic radiotherapy, 23:31980
  - Treatment of plantar warts with x rays, 21:36676
- REYMANN, Flemming Sensitivity of plantar warts to roentgen radiation, 23:31865
- REYMOND, D. Effects of x rays on pectin, 24:48419
- REYNEN, J. Stress distribution in smooth and finned cannings, 23:24046
  - Temperature and thermal stress distribution in smooth and finned cannings due to axial flux variations, 22:3821 (EUR-3557)
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- REYNES, Georges Irradiation device, 21:39110
- REYNES, Jean Experimental study of liquid-vapor equilibrium of a UF_6—WF_6 hexafluoride binary mixture under a pressure of 2,600 torr, 25:8265
  - Experimental study of the UF_6—MoF_6 binary mixture under a pressure of 2,600 torr, 25:8264
- REYNES, L. Construction and testing of Rapsodie, 22:16194
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  - Experience gained from final construction phase and approach of power of Rapsodie, 22:53362
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  - Fuel handling mechanisms in RAPSODIE and PHENIX, 24:1997 (CEA-CONF-1340)
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- REYNIER, B. Cesium-137 contamination and decontamination of Anguilla anguilla, 25:24141
- REYNIER, Bernard First experimental data on ^{137}Cs dynamics in Anguilla anguilla (L), 24:34071
- REYNIK, R. J. Zero point calibration technique for Moessbauer spectroscopy, 23:14092
- REYNOLDS, A. B. Analysis of SEFOR mockup critical experiments, 21:40674 (GEAP-5294)
  - Application of SEFOR critical experiments at ZPR-3 to SEFOR, 21:35695 (ANL-7320, pp 569-84)
  - BICYCL: computer code for two-dimensional analysis of equilibrium fuel cycles, 24:22405 (GEAP-13556)
  - Design and analysis of SEFOR Core I, 24:43763 (GEAP-13598)
  - Further studies of non-coherent effects in fast reactor sodium voiding accidents, 25:6072
  - Recent theoretical work in the United States on fast reactor physics, 22:18601
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  - anti pn elastic scattering from $-t = 0.15$ to 1.0 $(GeV/c)^2$ at 3.5 GeV/c, 24:30512
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  - $I = 0$ $\pi^-\pi^+$ enhancement in 1.07 GeV mass region, 25:1421
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  - Pi^-p elastic scattering at 2.26 GeV/c, 22:50302
  - Resonant structure in π^-eta system from reaction $\pi^-p \rightarrow \pi^-p$eta at 2.26 GeV/c, 23:7098
  - Single-pion production in π^-p interactions at 2.26 GeV/c, 24:3530
  - $T = 2$ pion—pion scattering, 23:18808
- REYNOLDS, B. J. Integrated waste-management system with a vacuum distillation-vapor pyrolysis radioisotope-fueled water-reclamation function, 22:16745
- REYNOLDS, B. L. Physicochemical tissue changes following irradiation, 24:34073 (AD-690855)
- REYNOLDS, Benedict M. Detection of venous thrombosis in the human by means of radioiodinated antifibrin-fibrinogen antibody, 21:24519
- REYNOLDS, Bobby J. Application of radioisotopes for aerospace waste reclamation and water systems, 22:37953
- REYNOLDS, Bruce Grahlmann Analysis of rho meson production and decay in π^--proton interactions at 2.26 GeV/c, 21:33626
- REYNOLDS, C. A. Brillouin-zone—Fermi-surface interactions in pure and lead-doped indium, 25:5185
  - Effect of antimony, indium, and zinc impurities on critical-field curve of tin, 23:1348
  - Effect of superconducting energy-gap anisotropy on thermal conductivity of tin, 23:1347
  - Effect of the superconducting energy-gap anisotropy on the thermal conductivity of tin, 22:1109
  - Energy gap and thermal conductivity of pure and impure superconducting tin, 21:15065
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  - Lead-alloying effects on the superconducting critical field curve of indium, 25:9380
  - Spin dependence of ^{235}U low-energy neutron cross section, 22:18255
  - Superconducting- and normal-state thermal conductivity of impure tin, 21:15064
  - Thermal conductivity of normal and superconducting indium—lead alloys, 25:5055
  - Thermal conductivity of pure and impure tin in the normal and superconducting states, 23:6684
- REYNOLDS, C. D. Palarite thermal insulation, 24:29171 (Y-1716)
- REYNOLDS, Charles A. Low-temperature physics research, 22:52679 (AD-672357)
- REYNOLDS, D. A. Measurement of average electron density between 75 and 80 kilometers, 25:2952 (N-70-33955)
- REYNOLDS, Delbert Daniel Radioprotective compositions containing cysteamine derivatives, 23:26825
- REYNOLDS, Dexter H. Selective separation of Mo, W, and Re by sorption processes, 24:41399
- REYNOLDS, Donald C. Effect of pulsed, short waves on alveolar healing, 23:38807
- REYNOLDS, E. Constant geometry approach to in situ seabed gamma monitoring, 25:57586
- REYNOLDS, F. L. Low energy ion accelerator for hot atom chemical research, 24:38019
  - Prog. rpt. on nuclear chemistry, annual, 1966, 21:29969 (UCRL-17299)
  - Spark erosion fabrication of single crystal tungsten ribbon filaments, 21:6771
- REYNOLDS, Frederick L. Surface ionization on Sr and La on W, 23:22932
- REYNOLDS, G. L. Examination of neutron-irradiated UO_2 using the scanning electron microscope, 24:14969
  - Grain boundary energy of irradiated uranium dioxide, 25:38035 (RD/B/N-1851)
  - Surface self-diffusion of UO_2, 22:752
- REYNOLDS, G. M. Carbon-12 states using $^{11}B(^3He,d)^{12}C$ reaction, 25:28205
  - Feasibility tests of a commercial radiographic linac for nuclear materials assay, 25:48786 (CONF-710617-13)
  - Gamma-ray transport in liquid nitrogen, 24:6571 (AD-693618)
  - Interpretation of gamma-ray data from planetary assay probes, 24:5642
  - Neutron and secondary gamma-ray measurements in liquid nitrogen, 24:6596
  - Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 10—12/69, 24:31642 (GA-9943)
  - Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 7/1/69—9/30/69, 24:31641 (GA-9871)
  - Secondary gamma-ray production and transport in liquid nitrogen, 25:9950
  - Study of the (p,t) reaction on the Pb isotopes, 21:13874
- REYNOLDS, G. T. Prog. rpt. on neutron multiplicity monitor operations at sea level and 3800 meter elevation, final, 6/22/65—6/22/66, 22:308 (N-67-19359)
- REYNOLDS, Geo. T. Applications of certain high energy physics techniques to some problems in biology, 24:50646 (PURC-4159-1)
  - Experimental tests of hidden variable theory with application to interference experiment, 24:37581 (NYO-3406-17)
  - Image intensification techniques applied to the study of x-ray diffraction patterns, 24:39407
  - Piezoelectric mechanical-micropipette stimulator, 24:22538 (NYO-3406-18)
  - Prog. rpt., 1971, 25:57243 (NYO-3406-22)
  - X-ray image intensification, 23:9791 (NYO-3406-12)
- REYNOLDS, George T. Interference effects produced by single photons, 23:30697
  - Quantitative studies of weak light sources in biological systems by means of an image intensifier, 22:40504
  - Scintillomicroscope for radioactive tracer detection, 22:19115
- REYNOLDS, Glenn M. Reaction (p,t) on the isotopes of Sm and Nd, $N = 88$ and 90, 21:2739
- REYNOLDS, Glenn Myron Reactions (p,t) and (p,d) in light nuclei, 21:21476
- REYNOLDS, J. New results on the gold—silicon surface barrier, 22:40393
  - Simple procedure for counting doubly labelled quenched samples by liquid scintillation spectrometry, 21:24198
- REYNOLDS, J. A. Anomalous skin effect in bounded plasmas, 23:23113
  - Penetration of an electromagnetic wave into a hot plasma slab, 24:26261
  - Resonances of cylindrical cavity containing plasma column, 23:48952
- REYNOLDS, J. F. Helical instability of a hollow plasma column in a magnetic field with shear, 22:24359
  - Helical instability of the positive column in crossed fields, 21:40045
  - Radial density profile and critical magnetic field for helical instability in hollow plasma, 21:44139
  - Radial profile of the perturbation density for the helical instability in a positive column, 22:26437
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  - Isotopic analysis of rare gases from stepwise heating of lunar fines and rocks, 24:21532
  - Plutonium-244 in the early solar system, 22:38668
  - Plutonium-244: confirmation as an extinct radioactivity, 25:35594
  - Some specific rare gas studies in apollo samples, 25:16737 (UCB-34-P-32-0-3)
  - Spallation and fissiogenic Xe and Kr from stepwise heating of the Pasamonte achondrite, 21:28875
- REYNOLDS, J. M. Coherence function measurements and analyses in tightly and loosely coupled cores, 25:41618
  - Efficient digital reactor noise analysis through averaging FFT-computed periodograms, 25:41601
  - Field—frequency locked NMR spectrometer for Knight shift measurements, 24:14375
  - Knight shift in cadmium: field and temperature dependence, 25:25266
  - Oscillation of two cylinders in liquid helium, 21:13493
  - Oscillatory field dependence of the Knight shift in a monocrystal of tin, 22:3198
  - Prog. rpt. on conductivity tensors in metals and semiconductors, 10/15/69—10/15/70, 25:5171 (ORO-3087-44)
- REYNOLDS, J. T. CLEM: Legendre polynomial fitting program with non-negativity constraint, 23:10911 (KAPL-M-6923)
  - Coupled-channel calculation of ^{12}C and ^{16}O neutron cross sections, 21:25432 (KAPL-P-3329)
  - Coupled-channel calculation of ^{12}C neutron scattering, 23:15364
  - Coupled-channel calculation of ^{12}C-neutron scattering, 23:42853 (KAPL-P-3834)
  - Evaluated cross sections for the hafnium isotopes, 22:16012 (KAPL-3327)
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  - Neutron scattering from nonspherical nuclei, 23:25954
- REYNOLDS, J. W. HFIR homogeneity scanner, production model, operating and maintenance manual, 21:12696 (ORNL-TM-1687)
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REYNOLDS, James F. Effect of an azimuthal magnetic field on the helical instability in a hollow positive column, 22:31874
REYNOLDS, Jay W. Totalizing memory for multichannel analyzers with increased capacity, 24:48345
REYNOLDS, John C. GEDANKEN: typeless language which permits functional data structures and coroutines, 24:4182 (ANL-7621)
REYNOLDS, John H. Isotopic abundance anomalies in the solar system, 22:11134
Xenon—iodine dating: sharp isochronism in chondrites, 21:20671
REYNOLDS, John M. Solar x-ray astronomy summary and bibliography, 25:13863 (N-70-39828)
REYNOLDS, John Z. Thermal effects studies for Palisades nuclear plant, 24:33228
REYNOLDS, L. D. CONCEPT: computerized conceptual cost estimates for steam—electric power plants. Phase I user's manual, 25:57063 (ORNL-TM-3276)
REYNOLDS, Leon M. Activation analysis in drug control, 22:12230
REYNOLDS, Leon Martindale Uses of neutron activation and gamma ray spectrometry in problems of drug control, 22:37701
REYNOLDS, M. A. Fallout from the Chinese nuclear explosion of June 17, 1967, 22:10383
Fissiogenic and radiogenic xenon in chondrites Beardsley and Holbrook, 23:30203
Fractionation of bomb-produced rare-earth nuclides in the atmosphere, 23:38115
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REYNOLDS, M. B. Failure behavior in ASTM A106B pipes containing axial through-wall flaws, 23:27049 (GEAP-5620)
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REYNOLDS, M. J. Spatial and feedback effects in Georgia Tech Research Reactor, 25:6108
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REYNOLDS, Manning S. Chemical behavior of carrier-free ^{131}I and dilute carrier ^{127}I, 21:24048 (TID-23803)
Chemical behavior of carrier-free ^{131}I and dilute carrier ^{127}I, 22:12330
REYNOLDS, Marcel C. Clean room: a vital element in contamination control, 25:52048
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REYNOLDS, Michael Anthony Age of the elements, 25:6925
REYNOLDS, Miles Jr. Project Rulison post-shot investigations, 25:26409 (PNE-R-45)
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REYNOLDS, Orr E. Biosatellite II observations, 23:20337
REYNOLDS, P. Plasma containment in the Proto-Cleo stellarator, 25:38373 (CONF-710607-106)
REYNOLDS, P. H. Further applications of concordia plots to rock lead isotope abundances, 22:18921
REYNOLDS, Peter Herbert Lead isotope study of ores and adjacent rocks, 24:4380
REYNOLDS, R. Focusing of charged particles with hemispherical grids, 21:16786
REYNOLDS, R. A. Discussion of nuclear plant safety with reference to other hazards experienced by the community, 25:54150 (A/CONF.49/P-671)
Effects of gamma radiation on organogenesis, 24:23340 (CONF-690501-, pp 613-20)
Effects of irradiation, age, season, and color on mineral composition of hereford cattle hair, 23:35900
Lifetime reproduction herd, 24:12232 (ORO-672, pp 34-9)
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REYNOLDS, R. C. Jr. Prog. rpt. on cobalt sorption on surface reactive minerals in the glacial environment, annual, 2—12/69, 24:13686 (NYO-3912-2)
Prog. rpt. on cobalt sorption on surface reactive minerals in the glacial environment, annual, 2—12/70, 25:34721 (NYO-3912-3)
Prog. rpt. on cobalt sorption on surface reactive minerals in glacial environment, 8/67—2/71, 25:34722 (NYO-3912-4)
REYNOLDS, R. L. Pacific Northwest Laboratory information retrieval system, 24:50264 (BNWL-1478)
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- RHINES, F. N. Influence of minor components on the high-temperature deformation structure of uranium, 25:45071 (NLCO-1065)
  - Influence of thermal cycling on the microstructures of uranium-base dilute silicon and aluminum alloys. Annual report, July 1967—June 1968, 25:47138 (NLCO-1064)
  - Prog. rpt. on quantitative determination of structure—property relationships in nuclear fuel element materials, 6/15—9/15/69, 24:8092 (SRO-552-1)
  - Prog. rpt. on quantitative determination of structure, property relationships in nuclear fuel element materials, 9/15—12/15/69, 24:14776 (SRO-552-2)
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  - Prog. rpt. on quantitative determination of the structure-property relationships in nuclear fuel element materials, 3/15/71—6/15/71, 25:58389 (SRO-552-8)
  - Quantitative determination of the structure—property relationships in nuclear fuel element materials. Quarterly progress report, June 15—September 15, 1970, 25:4841 (SRO-552-5)
  - Quantitative determination of the structure: property relationships in nuclear fuel element materials, 25:6907 (SRO-552-4)
  - Quantitative determination of the structure: property relationships in nuclear fuel element materials. Quarterly progress report, September 15—December 15, 1970, 25:13766 (SRO-552-6)
  - Structural changes associated with high-temperature deformation of uranium, 22:26055 (NLCO-988)
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  - Effects of helium on the high-temperature ductility of Sandvik 12R72HV and Inco IN-744X, 25:42872
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- RHODES, J. R. Analysis of silver ores by radioisotope x-ray spectrometry, 22:1958 (ORNL-IIC-10(Vol.1), pp 442-64)
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  - Prog. rpt. on dynamic aspects of concentrated magnetic systems, final report, 6/70, 24:43878 (COO-1488-21)
  - T$_1$ and T$_2$ for Orbach relaxation processes, 23:23270
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- RICHARDS, Victor Possible new approach to the evaluation of radiation injury of bone marrow, 21:10977
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  - Radiation-induced neoplasms in beagles, 24:34641
  - Radium-related nephritis in beagles, 24:29868 (UCD-472-116, pp 102-4)
- RICHARDS, W. Robert In vivo studies of radiation potentiaton by iodoacetamide and observations on tumor transplantation immunity, 25:6711 (UCRL-20110)
- RICHARDS, William Robert Radiation potentiation by iodoacetamide, 25:58034
- RICHARD-SERRE, C. Long Cherenkov counters made of solid and liquid materials, 22:38097
  - Loss of protons by nuclear inelastic interactions in various materials, 24:5905
  - Loss of protons by nuclear interactions in various materials, 23:46526 (CERN-69-17)
  - Reaction $\pi^+ + d \to p + p$ for pions with energy between 143 and 264 MeV, 23:8734 (CERN-68-40)
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- RICHARDSON, C. B. Alignment of the H$_2^+$ molecular ion by selective photodissociation. II, 22:9057
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- RICHARDSON, D. J. AELINK: independent program linking facility for IBM 360, 23:19602 (AAEC/TM-494)
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  - Vacuum studies, 21:13532 (ORNL-4063, pp 126-34)
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- RICHARDSON, E. G. Substerilizing doses of gamma irradiation to produce population suppression in plum curculio, 24:44651
- RICHARDSON, E. G. Jr. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)

Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
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RICHARDSON, Earl C. Correlation between radiation-induced free radicals and survival in micro-organisms exposed to β-mercaptoethylamine under oxygen or nitrogen, 21:36650
Structure-function studies of the aminothiol radioprotectants. The effect of carbon chain length in mercaptoethylamine homologs, 25:35160
RICHARDSON, G. L. Americium recovery by dbbp solvent extraction pilot plant demonstration, 25:6389 (BNWL-CC-1503)
Application of aqueous technology to LMFBR separations processes. Program plan for Task T-1: solvent performance, 25:18505 (WHAN-FR-32)
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TBP and DBBP solvent extraction recovery and purification of Bi(NO$_3$)$_3$, 23:9502 (BNWL-799)
RICHARDSON, Gerald L. Dibutyl carbitol solvent extraction of ^{210}Po from nitric acid solutions of irradiated Bi, 22:6370
Integrated lanthanide—actinide solvent extraction process, 25:54706 (BNWL-SA-3345)
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New radioisotope ^{99}Ag and some measurements on ^{100}Ag, 22:1698
Nucleon—nucleon bremsstrahlung, 22:20131
Prog. rpt. of the Nuclear Consortium at the UCLA Cyclotron Laboratory, annual, 1969, 24:8832 (UCLA-10-P-18-13)
Prog. rpt. on the cyclotron, annual, 7/1967, 22:11980 (UCLA-10-P-18-4)
Quasifree p—n scattering in deuteron breakup, 24:15785
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Research program of Nuclear Consortium, 23:10928 (UCLA-10-P-18-10)
Research program of the Nuclear Consortium at the UCLA Cyclotron Laboratory, July 1970. Report AR 5, 25:36738 (UCLA-10-P-18-23)
Study of ^{16}O(p,pα)^{12}C and ^{20}Ne(p,pα)^{16}O reactions at 46.8 MeV, 25:45930
Study of proton—deuteron interactions at 46 MeV, 22:20442
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RICHARDSON, L. A. Long term reactivity changes in Magnox Reactors, 22:22773
RICHARDSON, L. C. CONTEMPT: computer program for predicting containment pressure-temperature response to a loss-of-coolant accident, 21:40556 (IDO-17220)
User's manual for FORTRAN version of RSAC, 22:42866 (IDO-17261)
RICHARDSON, L. S. Conference on high temperature refractory metals, New York, 2/64. II, 23:27091
Selection of design and operating thermal and hydraulic limits for boiling-water reactors, 21:40636
RICHARDSON, M. Plans for post-operation examination of the molten-salt reactor experiment, 24:26740 (ORNL-TM-2974)
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Nondestructive determination of ^{235}U distribution by fixed-position gamma scanning, 25:15860
Use of ^{184}W as a thermal flux monitor at high temperatures, 23:50145
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Neutron activation techniques for labeling of insects with stable elements, 24:5623
Prog. rpt. on studies of Drosophila dispersal and migration by neutron activation and genetic techniques, annual, 1970, 25:6598 (TID-25563)
RICHARDSON, R. L. Cylindrical arrangements of uniform spheres, 24:20656 (BNWL-CC-519)
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States of intermediate charge symmetry as low-lying, 0$^+$ collective excitation of medium weight nuclei, 25:28490
Vortices in anisotropic superfluid neutron star matter near T = T/sub c/, 25:40226
RICHARDSON, Ralph J. Dynamic nuclear polarization (solid-state effect) associated with asymmetric ESR spectra in polycrystals, 22:24460
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RICHARDSON, Robert H. Lung scan in α_1-antitrypsin deficiency, 24:9890
RICHARDSON, Roger Effect of exclusion principle between valence pair and renormalized core in ^{6}Li, 22:26818
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Theoretical analysis of homogeneous plutonium critical experiments, 21:8064
RICHEY, Everett O. Prog. rpt. on eye safe separation from nuclear explosions, 1/66—2/66, 21:8843 (AD-634723)
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Prog. rpt. on assessing responses of thorax energized by air-blast overpressures, 11/66, 21:28515 (DASA-1857)
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  - Ion distribution function in a simulated experiment on the formation of a shock wave, 23:25343 (BMwF-FBK-69-3, pp 22.1-17)
- RIGHI, E. Dermatology problems of ability to work with the risks of ionizing radiation, 22:49530
  - Introductory study on the fitness of microcythaemic persons for work involving exposure to ionizing radiation, 22:8634
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  - Paramagnetic resonance of single crystals of UF$_6$Li, UF$_6$Na, and UF$_6$Cs, 22:50980
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- RIGNY, Paul Molecular motion and ^{19}F relaxation in liquid hexafluorides of molybdenum, tungsten, and uranium, 22:10250
  - Paramagnetic resonance in fluoride complexes of U(V) of the type UF$_6$M, 22:18769
  - Resonance and nuclear relaxation in liquid hexafluorides of Mo, W, and U, 21:14958
  - Vibration spectrum and molecular structure of solid uranium hexafluoride, 21:8242
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  - Time-delay effects in spectra of Jupiter's decametric radiation over 70-km base line, 22:52469
- RIIHIMAA, Jorma J. Fine structure in spectra of Jupiter's decametric radiation, 24:19707
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  - Self-quenching GM counters with heated anode, 25:2460
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  - Fusion of irradiated linear polyethylene crystallized by high speed stirring, 25:10618
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  - Specimen holder for irradiation of biological suspensions with fast protons, 22:48406
- RIKOSKI, Richard A. Particle diffusion in a low-pressure cross-field plasma heating device, 24:19884
  - Penning discharge as a radial ion source, 24:45286
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- RIKOVSKA, J. Relativistic kinematics in nuclear reactions, 23:42964 (UJV-2067-F)
- RILES, Linda Genetic effects of high natural radioactivity in South India, 21:39385
- RILEY, B. Fabrication and irradiation behavior of Pu—Th C coated fuels, 24:44758 (DP-Report-414)
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  - Prog. rpt. on oxide fuel element, 9/30/68, 23:22620 (WARD-3791-28).
  - Properties of /sub Λ/^{3}H, 24:24246
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  - Polar (velocity—angle) flux contour maps for KBr from crossed-beam reactions K + HBr, DBr: evidence for both forward and backward (c.m.) scattering, 22:5112
  - Reactive scattering of K by HBr, DBr in crossed molecular beams, 23:28864
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- RILEY, E. F. Prog. rpt. on comparison of cytological effects produced by ionizing radiations of different LET, 9 year, 3/70, 24:23355 (COO-1024-40)
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  - Energy transfer in molecular collisions, 23:6888
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- RIMAWI, Karim Doorway states in neutron capture in ^{93}Nb resonance, 24:5424
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  - Measurements of neutron flux by activation for calibrating a film badge, 25:32275 (SC-T-713011)
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  - Consistency conditions between SU$_3$ and exchange degeneracy, 24:30549 (NP-18241)
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An evaluation of the applicability of existing data to the analytical description of a nuclear-reactor accident. Quarterly progress report, January—March 1971, 25:37036 (BMI-1904)
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  Solar flare injection and propagation of low-energy protons and electrons in the event of July 7—9, 1966, 22:43792
  Transport of cosmic rays in the interplanetary medium, 22:15381 (D-1-82-0625)
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  - Changes of serum-protein picture of the rat after whole-body x-irradiation: combined examinations by means of paper and starch-gel electrophoresis, 22:463
  - Serum protein picture of rat following whole-body x irradiation, 21:36699
  - X radiation effects on aminotransferases in rat serum, 25:24361
- ROESLER, Bernward Dose distribution in swine under whole-body x-irradiation, 22:23532
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  - Use of thermoluminescence dosimetry in radiobiological experiments, 21:45654
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  - Transition-field enhancement and shape effects due to magnetic inclusions in a superconductor, 25:11840
- ROSENBLATT, L. S. Breeding program for the establishment of a stable gene pool in a beagle dog colony for a long-term experiment, 24:24947 (LF-40)
  - Comparative toxicity of ^{226}Ra, ^{239}Pu, ^{228}Th, ^{228}Ra and ^{90}Sr to hematopoietic system of beagles for first year following injection, 24:818 (COO-119-240, pp 224-42)
  - Dose-rate induction of granulopoiesis in Beagles with uniform ^{90}Sr skeletal labeling, 25:6784 (UCD-472-117, pp 73-5)
  - Early mortality of Beagle pups in the internal emitter program, 25:6785 (UCD-472-117, pp 76-8)
  - Evaluation of longterm effects of exposure to internally deposited radionuclides, 25:37710 (A/CONF.49/P-81)
  - Hematopoietic changes in beagles fed ^{90}Sr, 23:38806
  - Metabolism and toxicity of ^{90}Sr in immature beagle, 24:23082 (CONF-690501-, pp 529-41)
  - Mortality from inhaled ^{90}SrCl$_2$, ^{91}YCl$_3$ and ^{144}CeCl$_3$ and injected ^{137}CsCl in dogs, 24:34317 (LF-41, pp 59-60)
  - Radiation-induced lethality from ^{90}Sr and ^{226}Ra administration to beagles, 24:29864 (UCD-472-116, pp 78-84)
  - Radiation-induced neoplasms in beagles, 24:34641
  - Radiographic changes in skeletons of beagles administered ^{90}Sr and ^{226}Ra, 24:29857 (UCD-472-116, pp 41-4)
  - Survival of beagles in the internal emitter program, 24:29871 (UCD-472-116, pp 113-18)
  - Survival of Beagles in the internal emitter program, 25:6787 (UCD-472-117, pp 82-3)
  - Survival of control and x-irradiated beagles, 23:12198 (UCD-472-115, pp 2-6)
  - Urinary hydroxyproline as an index of bone metabolism in control, ^{90}Sr-, and ^{226}Ra-treated beagles, 23:12204 (UCD-472-115, pp 39-44)
  - Use of miniature swine in gerontologic research, 22:18671 (UCD-472-212)
  - Use of probit analysis to estimate dose effects on postirradiation leukocyte depressions, 21:32767
- ROSENBLATT, Leon S. Comparative toxicity of ^{226}Ra, ^{239}Pu, ^{228}Th, ^{228}Ra, and ^{90}Sr to leukocytes of beagles, 24:39572
  - Effect of whole-body x-irradiation on dogs, 23:35887
  - Effects of fractionated whole-body x-ray exposures on reproductive ability and median survival of female dogs (beagles), 22:49475 (CONF-680410-, pp 11.1-14)
  - Leukocyte depression in beagles injected with ^{226}Ra or ^{239}Pu, 23:38796
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- ROSENBLUM, Arnold Classical charge symmetric theory of the photoproduction of scalar mesons, 25:59338
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- ROSENBLUM, Philip Carcinoma of the thyroid in children and young adults, 21:24605
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  - Angular correlation studies of cadmium and ruthenium in nickel, 22:46263
- ROSENBLUM, Sheldon Recalculated (n,p) cross sections for 14.5-MeV neutrons of nuclei in the range 6 less than or equal to Z less than or equal to 50, 21:23556
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  - Low-frequency stability of axisymmetric toruses, 23:32476
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  - Prog. rpt. on plasma physics, annual, 5/29/69, 23:42253 (NYO-3927-5)
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- ROSENDHAL, Jeffrey David Evolutionary effects in rotation of supergiants, 24:8235
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- ROSENECKER, C. N. Power required to circulate gas-solids suspensions, 25:41956 (BM-RI-7019)
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- ROSENFELD, A. H. Comparison of phase-shift analysis solutions to π^-p scattering data, 23:32750
  - Recent progress in meson and baryon spectroscopy, 22:9591
- ROSENFELD, Alita Studies on the secondary structure of phenylalanyl transfer ribonucleic acid, 25:10564
- ROSENFELD, Arthur H. Are there any far-out mesons or baryons, 22:41807 (UCRL-18266)
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ROSENKRANZ, J. Influence of supply lead geometry of plasma accelerator on shape and velocity of shock wave, 21:13591
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Treating perturbation problems, with application to exchange equations for H_2^+ and H_2, 25:11735
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Bibliography on collision probabilities in nuclear reactor theory, 21:32032 (IFA-FR-50)
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Bibliography on S/sub n/ (Carlson) approximation in neutron transport theory, 21:32033 (IFA-FR-56)
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  - Crab Nebula. Ancient history and recent discoveries, 25:38079
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Bibliography on nuclear power economics, 1965—66, 23:9180 (PEL-167)

Bibliography on radioisotopes and radiation in helminthology, 21:20323 (PEL-130)

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  - Influence of neutron irradiation on Zr—3Nb—1Sn and Zy-2, 22:21730
- RUCKENSTEINER, E. Radiation therapy of polycythemia rubra vera (Vaquez, Osler), 22:10830
- RUCKER, D. J. Fuels and materials development program quarterly progress report for period ending March 31, 1970, 24:44652 (ORNL-4560)
  - Prog. rpt. on fuels and materials development program, 12/31/68, 23:24784 (ORNL-4390)
  - Prog. rpt. on fuels and materials development, 6/30/69, 24:4710 (ORNL-4440)
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  - Prog. rpt. on fuels and materials development, 9/30/70, 25:29757 (ORNL-4630)
  - Prog. rpt. on fuels and materials, 6/30/68, 23:12260 (ORNL-4330)
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RUMYANTSEV, S. V. Conference on uses of radioactive isotopes and nuclear radiation in U.S.S.R., Vol. 3, Riga, 4/60, 21:6317 (AEC-tr-6466/3)
Handbook of x- and gamma-defectoscopic specialists, 23:26488
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Application of photoinduced reactions to nuclear materials safeguards problems, 24:15867 (GA-9614)
Application of photoinduced reactions to nuclear materials safeguards problems. Quarterly progress report, January 1—March 31, 1970, 24:31643 (GA-10106)
Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1969—June 30, 1970, 25:355 (GA-10272)
Application of photoinduced reactions to nuclear materials safeguards problems. Quarterly progress report, January 1, 1971—March 31, 1971, 25:48879 (GULF-RT-10697)
Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1970—June 30, 1971, 25:57704 (GULF-RT-A-10826)
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Isotopes and Radiation Technology, Vol. 5, No. 2, 22:16632
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Isotopes and radiation technology, Vol. 5, No. 4, Summer 1968, 22:30792
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Late effects of radiation. Proceedings of the colloquium held at Chicago, Illinois, May 1969, 25:24429
Prog. rpt. on histopathological changes in animals exposed to low-level total-body neutron and gamma ray fluxes, 6/15/70—6/14/71, 25:24337 (COO-1487-6)
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- SAKAMOTO, Hitoshi Thermoluminescence of Y_2O_3—Al_2O_3:Tb phosphors, 23:7805 (CONF-680920-, pp 27-42)
- SAKAMOTO, K. Age-dependent toxic properties of actinomycin D and x-rays in cultured Chinese hamster cells, 22:49508
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  - Production of ^{26}Al and ^{22}Na, 25:59753
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- SAKAMOTO, Kiyohiko Effects of heavy x irradiation of the spleen on the survival of mice, 21:22746
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- SAKAMOTO, M. Neutron spectroscopy at JAERI, 21:16138 (JAERI-1113, pp 72-5)
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- SAKAMOTO, Masahiro Radioinduced polymerization of trioxane, 24:31388
- SAKAMOTO, N. Effects of ac field on depinning current density in Type-II superconductors, 25:52752
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- SAKAMOTO, Tadayuki Studies on the effect of x ray irradiation on experimental tumors, 22:23459
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- SAKANAKA, P. H. Formation of ion-acoustic collisionless shocks, 25:19698
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  - K_2NbF_7—NaCl—KCl systems, 23:14362
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  - Antiquarks in the universe, 23:36900 (JINR-P2-4267)
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  - Radiation channel of the IRT Reactor of Tomsk Polytechnical Inst, 25:23360
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- SANMARTIN, Juan R. L. Theory of electrostatic probes in strong magnetic fields, 22:52739 (AD-672273)
- SANMARTIN, Juan Ramon Losada Theory of electrostatic probes in strong magnetic fields, 23:1396
- SAN MARTIN, M. V. Utilization of isotopes in construction problems. IV, 23:24383 (CONF-670649-15)
- SANN, H. J. Lifetime measurements on neutron deficient even—even isotopes of Xe and Ba, 25:28319 (CERN-70-30(Vol.2), pp 905-10)
- SANNA, G. Behavior in the rabbit of serum isozymes of lactate dehydrogenase after irradiation at the hepatic, cardiac, and muscular level, 21:6462
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  - Identification of the water radicals involved in x-ray inactivation of enzymes in solution and determination of their rate of interaction with the enzyme, 22:33762
  - Intermolecular transfer of radiation energy at 77°K. An ESR study of irradiated mixtures of macromolecules and oxidized penicillamine, 25:8613

- Protection of regulatory function of phosphorylase b against x-ray inactivation in solution, 21:32589
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- Radiation-induced unpaired spins in frozen aqueous mixtures, 22:45439
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- SANNIKOV, V. V. Measurement of plasma parameters in Tokamak T3-A by Thomson scattering, 25:5079 (CLM-R-107)
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  - Chemical effects of neutron-induced nuclear reactions in halates and related compounds. I, 21:36064
  - Chemical effects of neutron-induced nuclear reactions in halates and related compounds. II, 23:296
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  - Separation of ^{106}Ru from fission products on inorganic redox ion exchangers, 21:43029
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  - Separation of radioruthenium and other fission products on the redox ion exchanger zirconium oxide hydrate—dithionite, 25:32053
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- SANTA-MARIA, Enrique Superconducting transition of lead films under the action of magnetic fields at 4.2°K, 21:29157
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  - Grain growth in liquid-phase sintering of carbides, 25:55642
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  - Study of self-shielding of small particles of boron for use as a burnable poison in irradiation processes, 23:37068 (RT/FI-(69)2)
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  - Spectrophotometric studies on complexes of Cu^{2+} and UO_2^{2+} ions, 23:28816
  - Stability constants in aqueous solution of complexes of uranyl ion with mixed dibasic acids, 24:29284
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  - Stability constants of some uranyl complexes, 22:47129
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  - Uranyl ion-sensitized polymerization of acrylamide and methacrylamide in aqueous solution, 21:19657
- SANTAR, I. Optical approximation, primary radiation chemical yields, and structure of the track of an ionizing particle, 22:2100 (UJV-1883)
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  Radiation transport in one-dimensional finite systems. I. Development in the anisotropic source—flux iteration technique, 25:14406
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  Ratios of radionuclides of strontium in fall-out after third nuclear test in China, 23:24310 (UCRL-Trans-10340)
  Recognition of the fragment nuclides ^{89}Sr and ^{90}Sr on the basis of radioactivity. II, 25:54803
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  - Deuteron D-state effect in tensor polarization for ^{9}Be(p,d)^{8}Be reaction, 25:53649
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  - Investigation of heat-transfer crisis in a bunch of fuel element simulators under natural circulation conditions, 25:18584
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  - Method of determining ^{90}Sr in plants, 21:30820
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  - Nuclear orientation of ^{59}Fe in rare-earth double-nitrate crystals, 25:20413
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- SARYCHEV, L. I. Spectrum of extensive air shower with respect to the number of the particles at mountain altitude, 23:18469
- SARYCHEV, M. A. Thermal neutron flux distribution in various reflectors with channels, 22:47026
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- SARYCHEV, V. T. Characteristics of proton motion in the geomagnetic trap, 22:48006
- SARYCHEVA, L. I. Angular distribution of secondary particles in showers, 22:13270
  - Certain singularities of pion and nucleon interactions with nuclei, 22:2825
  - Characteristics of pion and nucleon interactions with various nuclei, 24:21928
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- SARYGIN, A. P. Hydrodynamic problems of vessel-type boiling-water reactors, 25:60065
- SARZYNSKI, J. β—γ angular correlation measurements, 25:31277
- SASA, Matsuko Changes of membrane permeabilities of erythrocytes by radiation. I, 25:19107
- SASA, T. Crystal structure of graphite bromine lamellar compounds, 25:58404
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  - High temperature oxidation of beryllium in water vapor, 22:36435
- SASABE, Tetsuya Leslie Delayed radionecrosis after radiotherapy for pituitary tumor, 23:38844
- SASAGAWA, Akira Local immunity of intestinal tract of chickens after oral administration of Newcastle disease virus, 24:34177
- SASAGAWA, Shigeo Blood properties of patients of uterine cervix cancer treated by the radiotherapy and healed, 22:19447
- SASAJIMA, K. Determination of fluorine in urine by photonuclear-activation analysis, 24:20740
- SASAJIMA, Kazuhisa Production of carrier free ^{32}P by photonuclear reaction of chlorine, 25:185
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- SASAKI Preparation of carrier-free silver from proton-irradiated palladium, 21:22020
- SASAKI, A. Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
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- SASAKI, Akira Masking Cu and W in photometric determination of Mo, 25:27
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  - Oriented low carbon steel gradient magnets for strong focusing proton synchrotron, 24:38032
  - Production of high-energy polarized gamma-rays from an electron synchrotron with amorphous radiator, 22:29202
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- SASAKI, Hiroshi Direct measurement of the attenuation length of extensive air showers, 25:40403
  - Magnetic field measurements of model magnet for proton synchrotron, 24:1693 (SJC-A-69-3)
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- SASAKI, K. Backward π-p elastic scattering and a modified interference model, 23:23477
  - Duality for real part of π—N scattering amplitude, 25:47887
  - Nuclear structure study of even Sm isotopes from (p,t) reaction, 22:48518 (JAERI-1158, pp 47-55)
  - Regge-pole duality and uniqueness of the generalized Veneziano amplitude, 24:40499
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  - Chromosome-exchange aberrations in human lymphocytes, 21:20141
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- SASAKI, Masao Use of chromosome aberrations to estimate x-ray and gamma-ray dose to man, 22:43298 (AD-666713)
- SASAKI, Masao S. Biological dosimetry in atomic bomb survivors, 23:50517
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  - Radiation-induced chromosome aberrations in lymphocytes: possible biological dosimeter in man, 25:42398
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  - Research on x-ray luminescence method. I, 23:6082
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  - Rapid spectrofluorometric determination of cerium in high-purity rare earth oxides, 23:26150
- SASAKI, Shuichi General description of the first nuclear ship "Mutsu", 24:2050
- SASAKI, T. Absorption measurements of Cu, Ag, Sn, Au, and Bi in the far ultraviolet, 22:2776 (DESY-67/27)
  - Effect of cationic components on thermal annealing of bromine recoils in alkaline earth bromates, 25:37448
  - Effect of x-irradiation on postembryonic development of Sarcophaga seregrina Robineau—Desvoidy. II, 23:20333
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- SASAKI, Tadashi Composition ranges with similar constricted hysteresis loops in Mn—Al—B alloys, 25:11983
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  - Container for disposing radioactive wastes into the sea. I, 21:14402
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  - Thermal annealing of ^{80}Br recoils produced by isomeric transitions, 25:6383
  - Thermal annealing of recoil Mn produced in alkali metal permanganates by (n,2n) and (n,γ) reactions, 24:29327
- SASAKI, Tetsuo Characteristics of ionospheric E/sub S/ propagation and calculation of E/sub S/ signal strength, 21:35110
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  - Measurement of adsorption of tritium-labeled sodium stearate at air/water interface using thin-windowed Geiger—Mueller counter, 24:29355
- SASAKI, Y. Graphitization of free C precipitating through reaction of UC_2 with N_2, 25:29962
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  - Multistage image intensifier gamma camera, 23:33468
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  - Gamma cameras developed in Japan, 23:14010
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- SASAKI, Yasunori Analysis of radiation grafting by means of activation analysis, 25:37417
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  - Effect of deformation temperature on stage III recovery in Nb, 25:22648
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  - Electrolytic hydrogen charging in niobium single crystals, 23:24804
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  - Mechanical properties of Nb—H alloys, 21:34960
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  - Preparation and comminution of hydrogenated niobium, 25:29929
  - Preparation and pulverization of hydrogenerated niobium, 25:35299
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  - Reactions of compounds in Nb—C—O system with CO or CO_2, 22:4081
- SASAKI, Yoshiaki Ultraviolet spectrophotometric determination of Te(IV), 25:15498
- SASAKI, Yoshikata Bibliography on the uses of research reactors, 25:51162 (JAERI-13664)
- SASAKI, Yuji Effect of γ-irradiation on metabolic activities of food microorganisms. I, 23:50952
- SASAKI, Yutaro Development of long-duration MHD generator, 25:24940
  - Effect of internal short circuiting on MHD power generators, 21:41857
- SASAKURA, Hiroshi Activation analysis of smoky quartz, 22:12257
- SASAKURA, Yutaka A turbulence theory of the longitudinal waves in electron plasmas, 21:2250
  - Statistical theory of plasma turbulence, 22:5338
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- SASAMOTO, Nobuo Estimation of fission product decay heat, 25:20834 (JAERI-Memo-4205)
- SASANO, Takao Preliminary experiment of the induction-coupled argon plasma at atmospheric pressure, 21:35191
- SASANUMA, Michio Characteristics of the orbital radiation of electron synchrotron of INS, 22:24774
- SASANUMA, Yoshio Dosimeter glass washing process, 23:38334
- SASAYAMA, Tatsuo Three phase region in system UO_2—PuO_2—Pu_2O_3, 25:58409
- SASAYAMA, Tatuo Some electrical properties of the uranium—plutonium mixed oxides, 25:11991
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  - Closed magnetic trap with spiral field "Sirius", 22:7261
  - Sirius closed magnetic trap with helical field, 22:26356 (NP-tr-1620)
- SASHIN, D. Resolution of a large sodium iodide crystal using electrons of 25.2 MeV and 40.8 MeV, 24:2468
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  - Muon capture in lead, 23:13026
- SASHITAL, Sanatkumar Ramanath Hardening mechanisms in LiF, NaF, and CaF_2 by surface contamination and γ irradiation, 22:49783
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- SASIELA, R. Refractive index surfaces to evaluate Cherenkov radiation in infinite magnetoplasma, 21:35168
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- Nuclear safety, Vol. 9, No. 3, May-June 1968, 22:22744
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  - Radioactivity induced by high-energy electrons, 23:32863 (DNPL/P-8)
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  - Prog. rpt. on natural convective heat transfer between concentric spheres, annual, 1/71, 25:15449 (RLO-2214-1)
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- SCHAEFFER, D. R. Compatibility of ^{238}Pu dioxide with platinum and platinum—rhodium alloys, 25:2663 (MLM-1684)
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  - Studies of boranes. XXVIII. Reactions of hexaborane(12), 24:44008
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  - Application of Premack's theory to classically conditioned sucrose aversion induced by x-ray exposure, 21:16431 (USNRDL-TR-67-2)
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- SCHAFER, A. C. Jr. Prog. rpt. on Elk River reactor operations analysis, annual, 7/65—6/66, 21:1153 (ACNP-66557)
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  - Intermolecular potentials from crossed-beam differential elastic scattering measurements. I. Ne + Ar, Ne + Kr, and Ne + Xe, 24:49016
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SCHETT, A. Annular effect in MHD: example of boundary value problem solved by Lie series formalism, 21:7061

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SCHMIDT, Hartland Prog. rpt. on P—V—T relations in high molecular weight aromatic hydrocarbons, final, 1966, 21:17609 (TID-23757)
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  - NOVA: modular program system for reactor physics, 22:39901 (KAPL-P-3431)
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  - Pulsed-coil system for guiding and injecting plasma into the General Atomic toroidal octopole, 21:30585 (CONF-661016, pp 229-34)
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  - Qualities of Escherichia coli mutant with thermosensitive DNA synthesis and host cell reactivation of uv-irradiated lambda phages in this mutant, 25:37905
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  - Comparative literature study on the problems of the decontamination of radioactively contaminated textiles, 21:36572 (EUR-3276.e)
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  - Effects of combined use of cyclophosphamide (Endoxan) and ionizing radiation on proliferation processes of normal tissues. II, 22:36315
  - Effects of endoxane and ionizing radiation on proliferation processes in normal tissue. Histological and autoradiographic studies on epithelium of tongue and small intestine of mouse. I, 22:43436
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- SCHUSTER, Ronald E. Direct proton magnetic resonance cation hydration study of uranyl perchlorate, nitrate, chloride, and bromide in water—acetone mixtures, 25:2209
  - Proton magnetic resonance cation solvation study of uranyl perchlorate, uranyl nitrate, and uranyl perchlorate—hydrochloric acid solutions in water—dimethyl sulfoxide—acetone mixtures, 25:26212
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  - Waste solidification program. Volume 7. phosphate glass solidification performance during final radioactive tests in waste solidification engineering prototypes, 25:23752 (BNWL-1541)
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  - pH measurement in diffusion layer in ion exchange membranes, 24:36282
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  - Effect of high neutron exposure on the dimensions of pyrolytic carbons, 23:22699
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  - Irradiation-induced densification of pyrolytic carbon, 22:19674
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- SCHWARTZ, D. M. Low-momentum particles from 12.3-GeV/c protons on beryllium and copper, 23:25523
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- SCHWARTZ, Daniel Alan Spatial distribution of the diffuse component of cosmic x rays, 24:48978 (N-70-18915)
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- SCHWARTZ, Daniel M. Helicity of electrons from μ^- decay, 22:3253
- SCHWARTZ, Daniele O. Mutagens which cause deletions in E. coli, 23:38535
- SCHWARTZ, David M. Carbide morphology in an isothermally transformed Fe—V—C alloy, 24:25730
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- SCHWARTZ, E. Effect of gibberellic acid on the lesions produced in guinea pigs by sublethal x irradiation, 22:51843
- SCHWARTZ, E. G. Effect of die rotation on compaction of metal powders, 23:38938 (SRO-475-2)
  - Powder metallurgy compaction. Quarterly progress report, June 1—August 31, 1970, 24:48807 (SRO-475-8)
  - Prog. rpt. on galling and its alleviation in powder metallurgy compaction, 6—8/67, 21:43566 (SRO-133)
  - Prog. rpt. on powder metallurgy compaction, 9—11/69, 24:10018 (SRO-475-4)
  - Prog. rpt. on powder metallurgy compaction, 12/69—2/70, 24:21338 (SRO-475-5)
  - Prog. rpt. on powder metallurgy compaction, 3—5/70, 24:34855 (SRO-475-7)
  - Prog. rpt. on powder metallurgy compaction, 9—11/70, 25:12913 (SRO-475-9)
  - Prog. rpt. on powder metallurgy compaction, 12/70—2/71, 25:23485 (SRO-475-10)
  - Prog. rpt. on powder metallurgy compaction, 3/71—5/71, 25:44292 (SRO-475-11)
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- SEAGONDOLLAR, L. W. Aluminum-25 levels from the $^{24}Mg(p,\gamma)^{25}Al$ reaction, 25:28276
  - Prog. rpt. on nuclear physics, 11/67, 22:11950 (ORO-3624-1)
  - Prog. rpt. on physics, annual, 1968, 23:19254 (ORO-3624-7)
- SEAGRAN, H. L. Prog. rpt. on irradiation preservation of fresh-water fish and inland fruits and vegetables, final, 8/66, 21:6739 (COO-1283-40)
  - Prog. rpt. on irradiation preservation of freshwater fish, annual, 4/15/66—4/14/67, 23:12256 (TID-24776)
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- SEARS, Robert Frederick Jr. Single pion production in antiproton—proton interactions at 2.7 GeV/c, 23:32615
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  - Prog. rpt. on infrared spectra of plastics and elastomers after nuclear irradiation, annual, 9/66—9/67, 21:42965 (ORO-2418-3)
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  - Prog. rpt. on infrared spectra of plastics and elastomers after irradiation, annual, 12/68, 23:10310 (ORO-2418-6)
  - Prog. rpt. on infrared spectra of plastics and elastomers after nuclear irradiation, final, 8/69, 24:22671 (ORO-2418-7)
- SEARS, William P. Postirradiation mesenchymal chondrosarcoma, 22:19453
- SEARS, William R. Annual review of fluid mechanics. I, 24:10411
- SEASE, J. D. Design of a remote system for fabrication of (Th—^{233}U)O_2 metal-clad fuel elements, 21:6861
  - Design of remote system for fabrication of (Th—^{233}U)O_2 metal-clad fuel elements, 21:5705 (ORNL-P-2391)
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- SEASHOLTZ, R. G. Effect of collisions of Thomson scattering, 23:25236
- SEASHOLTZ, Richard G. Effect of collisions on Thomson scattering in a magnetic field, 25:22420
  - Theory of Thomson scattering from a weakly ionized plasma, 25:56165 (N-71-27890)
- SEASHOLTZ, Richard George Continuum theory of thomson scattering, 25:17172
- SEASSARO, E. Localization of placenta by radioiodinated serumalbumin, 23:26843
- SEATON, A. Lung scanning in pulmonary embolism, 23:12156
  - Scanner stand for pulmonary function studies, 23:38278
- SEATON, A. R. Corrosion protection of the Wylfa vessel cooling system, 23:11147
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  - Excitation of spectrum lines in nebulae by resonant scattering of radiation from the central stars, 22:29073
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  - Polarization of atomic line radiation excited by electron impact, 22:41322
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  - High-energy forward double exchange production cross sections in the quark model, 22:22398
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  - Once-subtracted dispersion relations, current algebra, and nonleptonic weak decays of hyperons, 25:59409
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- SEBE, T. Effect of spin—orbit force in SU_3 classification scheme for ^{20}Ne, 24:3890
  - Electromagnetic properties of sd shell nuclei, 25:46007
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  - Structure of sd-shell nuclei, 22:20745
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  - SU_3 Clebsch—Gordan coefficients in 2S-1D shell nuclei, 23:11042 (AECL-3182)
  - Variational buildup of nuclear shell model bases, 23:13328
  - Weak coupling model of particles and holes in the sd shell nuclei, 21:19308
- SEBEK, J. Simple ^{3}He—^{4}He dilution refrigerator, 25:14214
- SEBEK, Josef Nuclear methods of low-temperature thermometry, 21:31379
- SEBENIK, Roger F. Computer solution of solvent extraction cascade calculations for the monazite rare earth nitrates—nitric acid—tributyl phosphate—water system, 21:6007
- SEBENIK, Roger Frank Optimization of a solvent extraction plant to process monazite rare earth nitrates, 22:27854 (IS-T-224)
  - Optimization of a solvent extraction plant to process monazite rare earth nitrates, 22:49010
- SEBER, Nurten Gamma dosimetry based on the polymerization of methacrylonitrile and subsequent determination of the ketenimine absorption at 4.96μ, 21:6314
- SEBESSY, L. Determination of the isotope ratio ^{234}U/^{238}U with a scintillation α-spectrometer, 25:48455
- SEBESSY, Laszlo Determination of the natural isotopic ratio of U, 24:19091
- SEBESTA, F. Extraction chromatography using chelating agents. II, 25:48572
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- SEBESTIK, V. Action of ^{60}Co gamma rays on life time and fine structure of peripheral thrombocytes, 21:26588
  - Changes in blood irradiated in vitro, 22:51477
- SEBESTYEN, A. Algebraic methods in theory of special unitary groups. I, 21:9822
  - Algebraic methods in theory of special unitary groups. II, 21:31615
  - Conference on cosmic rays, Budapest, 8—9/69, 25:4976
  - Higher symmetries of Regge-poles, 23:44737
  - Introduction into higher symmetries of Regge-poles, 23:1702 (KFKI-18/1968)
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  - Results of high-energy Regge pole theory, 23:5596
- SEBESTYEN, Bela Voltage stabilizer for nuclear electronic modular systems, 21:41304
- SEBILLE, C. Decay of ^{153}Sm(β^-)^{153}Eu, 22:44723
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  - Gamma spectrum emitted during the β decay of ^{233}Th, 22:37365
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  - Spectrum of internal conversion electrons emitted during the transmutation of ^{153}Sm into ^{153}Eu, 21:42645
  - Spectrum of internal conversion electrons emitted in β decay of ^{233}Th, 22:44719
- SEBILLE, J. Conference on brittle fracture and safety problems in nuclear pressure vessels, Brussels, 1/66, 21:4895 (EUR-3121.d,f,e)
  - Effect of nitrogen on the mechanical properties of neutron irradiated pure iron, 21:31057 (EURAEC-1472)
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  - Stress-relief annealing of nuclear reactor tanks: an unsolved metallurgical problem, 22:51140 (WAPD-Trans-95)
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- SEBILLEAU, F. Central station fast breeder reactor: plutonium fuel requirements, 23:10272
  - Fuel considerations, 24:18668
  - Fuel considerations, 24:18660
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  - Ion implanted nuclear particle detectors, 25:57809
- SEBILLOTTE, Philippe Investigation of radiation detectors obtained by ion implantation, 25:39737 (NP-18897)
- SEBKO, V. P. Adjustment of the "Sirius" stellarator, 21:31389 (MATT-Trans-39)
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  - Gaps in a concrete radiation shield, 23:17292
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- SEBOK, Ferenc Effect of cracks on the radiation protective properties of a concrete shield, 25:17266
- SEBOK, Louis S. Advances and trends in radiation monitoring, 23:7733 (EEMTIC-67-3-1)
- SEBOLD, G. Shipping of irradiated fuel elements from fast breeder reactors, 24:39176 (ORNL-tr-2348)
  - Transportation of irradiated fuel elements from fast breeder reactors, 24:20968 (KFK-666)
- SEBRANT, Yu. V. Biological effects of external beta irradiation, 25:42646
- SECCO, E. A. Gas—solid exchange reactions: zinc vapor and monocrystalline zinc telluride, 25:39478
- SECCO, L. Mass loss from 2/sub sun mass/ rotating pre-main-sequence stars, 25:24716
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- SECCO D'ARAGONA, F. Neutron damage in molybdenum irradiated at high temperatures, 23:51076 (GEMP-706)
- SECHER-HANSEN, E. Subcutaneous absorption in mice. V, 22:51314
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- SECHOVCOV, V. Computer study of slow interchange instability in mirror machines, 23:42340

- SECHRIST, C. F. Jr. Coordinated rocket measurements on the D-region winter anomaly. I, 23:12650
  - Full-wave calculation of reflection coefficients from D-region electron-density profiles, 24:5052 (N-69-35646)
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  - Pre-sunrise electron densities and negative ions in D region, 22:19865
  - Theory of the winter absorption anomaly at middle latitudes, 21:15049
  - Time history of electron density and radio wave absorption profiles during solar cosmic-ray event, 21:25041
- SECK, Richard E. Development of an NE-213 fast-neutron TAC spectrometer system utilizing off-line gamma-ray discrimination, 25:55033 (COO-2049-6)
- SECKER, Philip A. Prog. rpt. on application of modern automatic control theory to nuclear rocket dynamics and control, semiannual, 2/66, 21:14049 (NASA-CR-70862)
- SECKER, Phillip A. Jr. Numerical integration of dynamic nuclear systems equations by optimum integrating factors, 24:4128 (LA-4252)
- SECKER, Phillip Allen Jr. Integration of nuclear systems equations by optimum integrating factors, 24:20632
  - Solution of the reactor kinetics equations by optimum integrating factors, 24:7291
- SECKINGER, James H. Thickness corrections for neutron-activated gold foils, 23:47730 (ANL-7545)
- SECOLO, Nunzio Fluid dynamic stability in heat exchangers for nuclear plants, 23:26103
- SECORD, T. C. Auxiliary power generating system for a large space laboratory, 22:7877
- SECOY, C. H. Effect of irreversibly adsorbed water on ThO surfaces, 23:17425
  - Gravimetric adsorption studies of thorium oxide. III, 22:37741
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  - Heats of immersion in thorium oxide—water system. III, 22:17174
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- SECREST, Don Electron distributions for the helium-atom—hydrogen-molecule system, 25:52619
  - Helium-atom—H-molecule potential surface, 24:19736
  - Inelastic cross sections for rotational excitation of para and ortho H_2 upon collision with He, 22:38774
  - Linear collision of a classical harmonic oscillator with a particle at high energies, 23:36515
  - Solution of the nonrelativistic quantum scattering problem without exchange, 21:16792
- SECRIST, P. W. Component examination on PWR Core 1 control rod drive mechanisms, 21:19389 (WAPD-311)
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  - Method for automatic compensation of deadtime losses, 23:21958
- SEDA, Josef Apparatus for digital evaluation of corrections in coincidence measurements, 22:43062
  - Continuous weighing of a transported mass by radioisotopes, 24:385
  - Digital evaluation of corrections in coincidence measurements, 23:11907
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- SEDANO, J. A. Galiano Activation analysis for traces of gold in uranium minerals, 22:42629
- SEDDON, B. J. Physical properties of some Pu ceramic compounds, 22:43651 (TRG-Report-1601)
- SEDDON, H. Defects in interstellar grains, 23:41871
  - Electronographic study of the interstellar 4430 band, 23:48682
  - Interstellar band absorption in a supernova, 23:30232
  - Occurrence of broad interstellar absorption band in far-uv, 24:28036
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  - Polarization—wavelength profile of the interstellar 4430A absorption band, 24:42349
  - Profile of the unidentified interstellar absorption band at 4430 A at different galactic longitudes, 21:20674
  - Profile of unidentified interstellar absorption band at 6180 A at different galactic longitudes, 21:37051
  - Role of impurities in interstellar graphite grains, 21:33036
- SEDDON, James Walter Core structures for nuclear reactors, 21:19501
  - Inhibiting corrosion of graphite, 24:47838
  - Nuclear reactor cores, 22:3873
- SEDDON, K. C. High speed instrumentation of explosive phenomena, 23:33128 (NP-17862)
- SEDDON, Thomas Improvements in fuel assemblies for nuclear reactors, 23:24054
  - Improvements in or relating to nuclear reactor fuel assemblies, 22:39910
  - Improvements in or relating to nuclear reactor fuel assemblies, 22:39912
- SEDDON, W. A. Comprehensive bibliography on pulse radiolysis, 1960—3/69, 24:20787 (AECL-3524)
  - Detection of N_2O^+ in γ-irradiated N_2O, 23:49825
  - Electron spin resonance spectra of ^{15}N-labelled amino radicals, 24:36323
  - Electron spin resonance studies of free radicals in γ-irradiated amino acid crystals, 22:30613
  - Electron spin resonance studies of γ-irradiated aqueous alkaline solutions of acrylamide at 77°K, 23:26306
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  - Electron spin resonance studies of radicals condensed from irradiated water vapor, 23:35208
  - Electron spin resonance studies of radicals condensed from irradiated water vapor, 23:35213
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  - Free radicals in γ-irradiated disodium succinate. II, 25:2230
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  - Pulse radiolysis: adducts of vinyl compounds and simple free radicals, 21:40893
  - Radiation chemistry of aqueous solutions of ethanol, 21:28010
- SEDDON, W. E. Kinetics and mechanism of the oxidation of Zircaloy-2 at 350 to 500°C, 22:17076
- SEDEN, W. H. HTGR long-term spent fuel storage costs, 21:46852 (GAMD-7994)
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- SEDERHOLM, Charles Use of an on-line digital computer in closed-loop high-energy physics experiments, 22:8388
- SEDGLEY, D. B. Helium buoyancy and effects on atmospheric dilution, 22:42867 (GA-8369)
- SEDIGHI, N. Isotopic exchange between glasses and nonaqueous liquids, 25:41810
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- SEDITA, B. A. Chromosomal aberrations induced by tritiated thymidine, 22:25824
  - DNA-strand breaks and rejoining following exposure of hamster cells to radiation, 23:20132
  - Recovery of Chinese hamster cells from uv irradiation damage, 24:51016
- SEDIVEC, Miloslav Contribution to dosimetry of Czechoslovak betatron, 22:38279
- SEDIVY, Josef Dispersal flights of Meligethes aeneus marked with ^{32}P, 22:8467
- SEDKINE, T. Solvent extraction of metal ions with mixed ligands. IV, 21:32260
- SEDLACEK, B. Conference on macromolecular chemistry, Prague, 8—9/65, 23:4605
  - Conference on macromolecular chemistry, Prague, 1965, 23:9390
  - International symposium on macromolecular chemistry, Prague, 1965. III, 21:40876
- SEDLACEK, F. Personal dosimetry in radiological workplaces, 21:43277
- SEDLACEK, J. Self-diffusion and isotope exchange in aqueous solutions. V, 23:45249
  - Self-diffusion and isotope exchange in aqueous solutions. IV, 23:45248
  - Self-diffusion and isotope exchange in aqueous solutions. VI, 23:47447
- SEDLACEK, Josef Self-diffusion and isotope exchange in aqueous solutions. I, 23:37947
  - Self-diffusion and isotope-exchange in aqueous solutions. III, 23:33182
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  - Permanent magnet for a nuclear magnetic resonance spectrometer, 22:19224
  - Rapid determination of artificial radioactivity in air, 22:42882
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- SEDLACEK, Vladimir Use of zirconium alloys in reactor technique, 22:21729
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  - Ternary fission of ^{236} ^{234}U, 21:44695
  - Ternary fission of heavy nuclei, 21:17369
- SEDLACEK, Z. Complete spectrum of flute instability at low density, 22:3130 (IPPCZ-73)
  - Constants of linearized motion of Vlasov plasmas, 22:17652
  - Electrostatic oscillations in cold inhomogeneous plasmas, 23:42362
  - Electrostatic oscillations in cold inhomogeneous plasma. I, 25:30623
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  - Perturbation approach to plasma oscillations, 22:31871
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- SEDLAK, Marie Patrice Some considerations of radiologic protection, 21:10912
- SEDLAK, Steve Flexible ionizing radiation shielding material, 22:43523
- SEDLAKOVA, A. Lipid changes of rat after gamma irradiation, 25:24409
- SEDLAKOVA, L. Effects of preparation methods on the surface area and structure of ammonium polyuranate, 21:12386 (UJV-1332/65)
  - Focusing of a time-of-flight diffractometer for structure analysis, 23:17847
  - Focusing of time-of-flight diffractometer for structure analysis, 22:23359 (JINR-E14-3759)
  - Physicochemical properties of $Na_3[UF_8]$, 21:5897
  - Single-crystal filters of thermal neutrons, 25:20238 (UJV-2488-F)
  - Sorption of uranyl ions on zirconium phosphates at elevated temperatures, 22:35809
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- SEDLAKOVA, L. N. Determination of nuclear amplitudes of W isotope scattering using neutrongraphic method, 24:1853
  - Mn, Co, Ni, Cu, Ag, and Hg uranates, 22:23020
- SEDLATSCHEK, K. Brittle-ductile transition of cubic-space-centered metals. I, 24:51176
  - Influence of impurities on the deformation of high-melting metals, 24:27779
- SEDLATSCHEK, Karl Systems Mo—Re—Nb and Mo—Re—Ru, 23:22529
- SEDLET, J. Plutonium—uranium—molybdenum fume characteristics and sand filtration, 23:11624
  - ZPPR roof sand filtration of U, Pu, and uranine aerosols, 21:32009 (CONF-660904-Vol.1 and 2, pp 942-64)
- SEDLET, Jacob Direct determination of ^{210}Pb by liquid scintillation counting, 23:67
  - Helium-3 induced nuclear reactions in Cu, 24:52489
  - Radiochemical determination of ^{99}Tc in environmental water samples, 23:19671
- SEDLIAKOVA, M. Effect of 5-FU posttreatment of sensitivity to ultraviolet radiation and course of messenger RNA synthesis in E. coli, 25:27123
  - Macromolecular synthesis in E. coli 15, 22:47451
  - Survival and repair of DNA after ultraviolet exposure, 25:4731
  - Ultraviolet resistance of E. coli, 22:51683
  - Unstable mutation forms induced by uv irradiation, 22:25814
- SEDLIAKOVA, Milena Change of sensitivity to uv irradiation in E. coli, 23:20441
  - Changes in the radioresistance of bacteria after the inhibition of proteosynthesis in the preirradiation phase, 21:28566
  - Effect of 5-fluorouracil on resistance on E. coli 15 cells to ultraviolet radiation and poly U-directed in vitro incorporation of L-phenylalanine-^{14}C, 22:40782
  - Effect of ultraviolet radiation on β-galactocidase and protein synthesis during starvation for essential substances by E. coli 15 THU, 22:40566
  - Effects of 5-fluorouracil on sensitivity to uv irradiation and ribonucleic acids' synthesis in E. coli, 22:40969
  - Increased resistance to ultraviolet radiation mechanism after omission of energy source from medium in the strain E. Coli 15 $T^-U^-his^-$, 24:46685
  - Influence of ribosides on ultraviolet resistance of Escherichia coli: role of deoxyribonucleic acid synthesis in the ultraviolet resistance enhancement after amino acid prestarvation, 25:47059
  - Participation of m-RNA in repair of damaged genetic information, 22:40970
- SEDLMEYER, J. W. Chronotron alpha meter, 21:3339 (EGG-1183-1285)
  - Voltage stretch circuit, 22:4552
- SEDLYAROV, I. K. Investigations on the self-maintained coherent oscillations in the storage ring, 22:11812
- SEDLYAROV, I. K. Accelerating resonator for VEPP-2 storage ring, 24:5363 (SLAC-Trans-103)
  - Heavy-duty cooled resistors for shunting accelerator resonators, 22:44566
  - Investigation of coherent phase self oscillations in storage rings, 21:33820
  - Study of self excitation and rapid damping of coherent transverse oscillations in VEPP-2 storage ring, 21:33823
  - Wideband cable for power transmission from the amplifier to the accelerating resonater of a synchrotron, 21:23381
- SEDMAK, Giorgio Solar radioastronomy programs and researches, 1966—68, 24:37083 (AD-691093)
- SEDMAN, E. C. Modifications to the RHEL geometrical reconstruction program, 22:16903 (RHEL/R-150)
- SEDNEV, M. P. Separation of strontium from calcium and magnesium by ion-exchange chromatography [in analysis of sea-water], 22:23113
- SEDOIKIN, S. D. Liquid—hydrogen bubble chamber with diameter of 50 cm, 22:38086
- SEDOV, A. V. Accidental dosage estimation at large gamma-irradiation facilities, 25:55235
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  - Choice of activable tracer for spraying agricultural insecticides by helicopter, 25:8426 (NSJ-tr-155)
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- SHEETS, Warren R. Reciprocal multiplication meter, 23:35550 (RFP-925)
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  - Prog. rpt. on six-converter solar thermionic generator, 7/1—12/15/67, 22:36776 (N-68-15766)
- SHEFTAL, N. I. Crystal growth, proceedings of the 7th international congress, Moscow, 7/66, 22:41083
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  - Poincare and Lorentz invariant expansions of relativistic amplitudes, 22:7529 (JINR-E2-3553)
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- SHEFTEL, V. M. Relationship between traveling ionospheric disturbances and E/sub s/, 25:47435
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- SHEGLOV, P. V. Internal motions in NGC 6853, 6618, and 1976, 22:34164
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- SHEI, Sun-sheng Algebraic structure of current algebra, superconvergence sum rules, and the infinite-momentum method, 24:18172
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  - Scaling, deep inelastic electron—nucleon scattering, and the multiperipheral model, 25:19959
- SHEIBLEY, D. W. Post-irradiation analysis of high temperature, low burnup W—UO$_2$ test plates, 24:18786 (CONF-690910-, pp 435-45)
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- SHEKHTER, L. Sh. Braking radiation of soft γ quanta in $p + p \to p + p + \gamma$ and $\pi^- + p \to \pi^0 + n + \gamma$ reactions, 21:27388
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- SHEKK, Yu. B. Investigation of aromatic triplet molecules in polystyrene by the method of pulse radiolysis, 25:46520
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  - Thyroid carcinoma in atomic bomb survivors, Hiroshima and Nagasaki, 24:816 (ABCC-TR-4-68)
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  - Pituitary cytology of rats with Leydig-cell tumors induced by low-level testicular irradiation, 24:48700
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- SHELINE, R. K. Analysis of nuclear reaction spectroscopy of ^{177}Hf, ^{179}Hg, and ^{181}Hf, 22:37356
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- SHEPHERD, G. A. Analysis of lead alloys by atomic absorption spectrophotometry, 22:1964 (RFP-1001)
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  - Metabolic behavior and radiation dosimetry of /sup 99m/Tc-albumin in pregnancy, 24:12077
- SHEPPARD, R. H. Studies of cerebrospinal fluid dynamics with ^{131}IHSA, 21:41452
- SHEPPARD, Ronald John Scattering of slow electrons from the nitrogen molecule, 21:18465
- SHEPPARD, S. D. Reactor operator study handbook, 23:7414 (ORNL-TM-2034(Vol.4))
  - Reactor operator study handbook. I, 23:4463 (ORNL-TM-2034(Vol.1))
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  - Critical heat flux tests on coolant channel simulating a closely spaced lattice of rods, 23:26041 (WAPD-TM-466)
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- SHERBY, O. D Elastic properties of a W—Ag composite, 21:18273
- SHERBY, O. D. Mechanical behavior of polycrystalline W, 23:10215
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  - Steady-state creep of polycrystalline alpha zirconium at elevated temperatures, 21:45897
- SHERBY, Oleg D. High temperature creep behavior of Class I and Class II solid solution alloys, 24:25695
  - Prog. rpt. on effect of point defects on mechanical behavior of crystalline solids, annual, 7/66—6/67, 21:39622 (SU-326-P-2-7)
  - Research on metallic base composites, 25:22171
- SHERCLIFF, J. A. Magnetohydrodynamics at high Hartmann number, 25:43197
  - Magnetohydrodynamics at high Hartmann number, 25:55921
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  - Spectrophotometric studies on plutonium(IV) complexes in aqueous and mixed organic—nitric acid systems, 25:26274
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- SHERIFF, N. Convection in vertical annuli with high pressure carbon dioxide, 21:43154
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  - Prog. rpt. on MHD boundary layers with non-equilibrium ionization and finite rates, 1—9/69, 24:28138 (N-70-16932)
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- SHERMAN, C. Measurements of negative ions in D and lower E regions, 25:49803
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- SHERMAN, Christopher Asymptotic integral property of a diffusion—recombination equation, 22:31854
- SHERMAN, D. C. DECAYWT: program for weighted responses to decay and absorption coupled nuclear chains, 23:11324 (KAPL-M-6937)
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  - Irradiated radium—beryllium neutron source buildup, 24:8799 (KAPL-P-3849)
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  - Prog. rpt. on In-situ electron microscope investigation of the nucleation and growth of sputtered thin films, annual, 1/71, 25:18277 (COO-1790-3)
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- SHERMAN, G. Kh. Classification of reservoirs using computers interpretation of logging data, 24:22780
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  - Sidewall epithermal neutron porosity log, 21:6320
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- SHERMAN, H. J. Nucleon isobar production in proton—proton collisions, 23:49047
- SHERMAN, Harold Two neutron detector earth formation porosity logging technique, 24:7512
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  - Versatile preamplifier for semiconductor detectors providing high-resolution capability at high and low counting rates, 23:22000
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  - Y$_4$ deformation in ^{20}Ne and other s—d shell nuclei, 23:46947
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- SHERMAN, Joseph O. Effect of ionizing irradiation on normal lymphatic vessels and lymph nodes, 22:21618
  - Evaluation of chest masses with radionuclide angiography, 24:21231
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- SHERMAN, M. P. Equilibrium composition and normal shock parameters for nitrogen up through double ionization, 25:43331 (AD-715615)
  - Moment methods in radiative transfer problems, 21:13662
- SHERMAN, Martin P. Effect of resonant charged exchange on heat conduction in plasmas, 21:772
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  - Lattice defects in W bombarded with high-energy electrons, 25:49989
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  - Variations of nonadditivity of electro- and x-ray luminescence of ZnS:Cu phosphors, 24:15403
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- SIDORENKO, V. D. Criticality and burn-up of homogeneous fuel lattices. I, 23:47325
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  Prog. rpt. on biology and medicine, Vol. II, Pt. 1, annual, 6/71, 25:48621 (BNWL-1551(Vol.2)(Pt.1))
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SLACK, Glen A. Thermal conductivity of boron and some boron compounds, 25:47174
SLACK, M. R. Handling of fuel and reactor components in gas cooled reactors, 25:53901 (A/CONF.49/P-470)
SLACK, Nelson H. Irradiation and 5-fluorouracil as adjuvants in the management of invasive bladder carcinoma. A cooperative group report after 4 years, 24:39542
SLACK, Robert W. Flame emission spectrometric determination of aluminum, cobalt, chromium, copper, manganese, niobium, and vanadium in low and high alloy steels, 25:15482
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Meteorological questions concerning plant siting, 25:54793
Meteorology and atomic energy, 1968, 22:45190 (TID-24190)
Modeling air pollution in Washington, D. C. to Boston megalopolis, 22:40233 (AECL-2787, pp 263-70)
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Prog. rpt. on measurement of airborne radioactivity and its meteorological application, annual, 4/69—3/70, 25:34745 (NYO-4061-2)
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Fast reactor spectrum measurements. Technical summary report, February 1, 1970—January 31, 1971, 25:36991 (GULF-RT-10523)
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Multiple scattering in neutron double differential cross section measurements, 21:38157 (GA-8052)
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Prog. rpt. on integral neutron thermalization, 1—3/70, 24:38059 (GA-10060)
Prog. rpt. on fast reactor spectrum measurements, 2—4/71, 25:48306 (GULF-RT-10655)
Prog. rpt. on fast reactor spectrum measurements, 5—7/71, 25:60156 (GULF-RT-A-10800)
Prog. rpt. on integral neutron thermalization, 6/68, 22:48414 (GA-8773)
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Prog. rpt. on integral neutron thermalization, quarterly, 4/1—6/30/69, 23:46894 (GA-9489)
Prog. rpt. on integral neutron thermalization, annual, 10/68—9/69, 24:26573 (GA-9753)
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Prog. rpt. on integral neutron thermalization, 4—6/70, 25:9943 (GA-10223)
Prog. rpt. on integral neutron thermalization, final, 12/30/70, 25:34423 (GULF-RT-10469)
SLAGGIE, E. Leo Multiple scattering corrections to double-differential cross-section measurements for room-temperature water, 21:7651
Thermal expansion and phonon frequency shifts in non-primitive lattices, 23:48983 (GA-9417)
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SLAIS, E. Perfluoroalkanes as fast-neutron insensitive chemical dosimeters, 21:4543 (SGAE-CH-37/1966)
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- SLATER, J. E. Prog. rpt. on mechanisms of stress corrosion cracking in iron—nickel—chromium alloy system in chloride environments, 4—6/70, 25:42760 (COO-2069-7)
  - Study of the mechanisms of stress corrosion cracking in the iron—nickel—chromium alloy system in chloride environments. Quarterly report, July 1—September 30, 1970, 25:44997 (COO-2069-16)
  - Study of the mechanisms of stress corrosion cracking in the iron—nickel—chromium alloy system in chloride environments. [Progress report], October 1, 1970—June 30, 1971, 25:49354 (COO-2069-19)
- SLATER, J. V. Interaction of radiation and other environmental stresses in biological systems, 21:43533
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- SLATTERY, Paul Francis Resonance production in π^+p collisions at 7 GeV/c, 22:39289
- SLATTERY, Wayne L. Statistical mechanics of light elements at high pressure. I, 25:45162
- SLATTERY, William J. Index of U. S. voluntary engineering standards, 25:41961 (NBS-SPEC. PUBL-329)
- SLAUGHTER, A. J. $K\pi\pi$ system in $K^-p \to K^-\pi^+\pi^-p$ at 12.6 GeV/c, 24:49503
- SLAUGHTER, Barbara G. Disc-based operating system for mass spectrometry experiments, 25:26556
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  - Effect of ^{137}Cs gamma rays on regeneration in Tubularia, 25:16298
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  - Correlations to predict the maximum containment pressure following a loss-of-coolant accident in large pressurized water reactors with dry containments, 25:41455 (IN-1468)
  - Pressure responses of PWR containments: parametric analysis, 23:40374 (IDO-17300)
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- SLAUS, Ivo Anomalies in quasifree scattering from p + ^{3}He reactions, 25:53523
  - Conference on few body problems, light nuclei, and nuclear interactions, Brela, Yugoslavia, 6—7/67. I, 23:25781
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- SNAVELY, David R. Bibliography on regulations, standards, and guides pertaining to medical and dental radiation protection, 23:38611 (PHS-999-RH-37)
  - Regulations, standards, and guides for microwaves, ultraviolet radiation, and radiation from lasers and television receivers, 23:24615 (PHS-999-RH-35)
- SNEAD, C. L. Electrical resistivity studies of recovery of point defects in metals following irradiation, 22:15223 (CONF-670924-3)
- SNEAD, C. L. Jr. Angular correlation of positron annihilation radiation from electron-irradiated Pt, 24:37212
  - Influence of defects on the angular correlation of positron-annihilation photons in irradiated and in deformed iron, 25:19851
  - Length change of copper and aluminum after electron irradiation, 23:43994
  - Stage-i interstitials in electron-irradiated tungsten, 23:22599
  - Stage-I recovery of resistivity in electron-irradiated silver and gold. I, 23:25433
- SNEAD, Clarence Lewis Jr. Recovery of Al after 2-Mev electron irradiation, 21:2332
- SNEAD, Mary R. Current research in neutron rbe in mouse lens opacity, 24:7989 (BNL-14215)
- SNEBERGER, J. Measurement and design of the pipe expansion joints, 22:1884
  - Pretightening of large pressure vessel flange joints, 25:10096 (ZJE-65)
  - Pretightening of large pressure-vessel flange joints, 24:25173
- SNEDAKER, Samuel C. Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific interoceanic canal: agricultural ecology, 24:9795 (BMI-171-20)
  - Compositional analysis of selected second-growth species from lowland Guatemala and Panama, 23:50407
- SNEDDON, J. S. Safety of operations in Dragon Fuel Element Laboratory during 1965, 25:24620 (DP-Report-441)
- SNEDECOR, James G. Radiothyroidectomized and goitrogen-treated chicks, 22:51815
- SNEDECOR, James S. Response of testis and comb of radiothyroidectomized chick to PMS, 22:43453
- SNEDEKER, J. Thomson Systems approach to nuclear plant safety, 25:8043
- SNEDIKER, D. K. Moessbauer experiments with ^{61}Ni, 21:40065 (ORNL-P-3251)
  - Moessbauer experiments with ^{61}Ni, 22:46746
  - Selection of absorber mounting materials in Moessbauer spectroscopy, 21:39210
- SNEDIKER, David K. Chemical processes following neutron capture in tetramethylsilane, 23:9436
- SNEDIKER, David Kirk Chemical effects of neutron capture in tetramethyl silane, 21:10402
- SNEDKOV, B. A. Harmonic composition of a current in a resonant buncher taking into account the space charge, 24:1702
  - Role of instabilities of monoenergetic electron beams, 25:3479
- SNEED, Robert C. Frequency-swept electron—electron double resonance: separation of overlapping spectra in irradiated malonic acid, 22:30619
- SNEEGAS, Eldon C. High-velocity metalworking, 21:32844 (NASA-SP-5062)
- SNEGOVA, G. V. Cardiovascular disorders during action of SHF electromagnetic fields, 22:25972
- SNEGUROVA, L. F. Influence of lower layers of ionosphere on three-dimensional Alfven waves, 25:33137
- SNELGROVE, J. L. Energy dependence and spectroscopy of the ^{16}O(p,d)^{15}O reaction, 24:15809
  - Energy reproducibility in beam analyzing magnets, 21:27490
  - Form factors (^{16}O(p,d)^{15}O), 24:40711
  - Potassium-36 and T = 1 analog in ^{36}Ar, 21:13827
  - Precise energies of ^{40}Ca levels, 22:44661
  - Reaction ^{15}N(p,d)^{14}N at 39.8 MeV, 24:15850
- SNELGROVE, James Lewis Reactions ^{16}O(p,d)^{15}O and ^{15}N(p,d)^{14}N, 23:42857
- SNELL, A. H. Deep inelastic collisions and Auger processes, 25:27437 (WASH-1159, pp 113-19)
  - Electron-cyclotron heating, 23:34377 (ORNL-4401, pp 79-97)
  - Radioactivity induced by particle acceleration in an unstable laboratory plasma, 24:51644
- SNELL, Arthur A. Toward fusion: the target plasma program, 23:1365
- SNELL, Arthur H. Oak Ridge accelerators, 24:30637
  - Research experience with the high flux isotope reactor (HFIR) and the high flux beam reactor (HFBR), 25:39284 (A/CONF.49/P-53)
- SNELL, Charles M. Frequency of spectroscopic binaries in NGC 6475, 24:19578
- SNELL, Earle O. Jr. Thermal cycling of maraging steel, 25:6254 (UCRL-72099)
- SNELL, George D. Histocompatibility typing of inbred mice for known non-H-2 alleles, 24:11992
- SNELL, Harriet Influence of the alkaline earth chlorides on the structure of water, 24:194
  - Water structure in solutions of the sodium salts of some aliphatic acids, 24:27086
- SNELL, V. Application of crossing-symmetric model satisfying the Mandelstam representation to π—π and K—π scattering, 25:22802
- SNELL, V. G. Regge model with scale-invariance, 25:38704
- SNELLEN, G. Infrared and optical measurements of the Crab Pulsar NP 0532, 23:34191
- SNELLEN, G. H. Optical polarization and intensity of the pulsar in the Crab Nebula, 25:7015
- SNELLEN, Grant Nature of candidate star for pulsating radio source CP 1919, 23:14508
- SNELLING, G. F. Application of Harwell 2000 series adaptor units to detection and measurement of radioactivity, 21:22125 (AERE-M-1832)
  - Reduction of x-ray proportional counter background by pulse shape discrimination, 22:45273 (AERE-R-5749)
- SNELLING, J. B. Circuit for measuring ac Hall voltages of thin film semiconductors, 24:24975 (SC-DR-70-145)
  - Circuit for measuring frequency dependent complex admittance and impedance, 25:28882 (SC-DR-68-796)
- SNELLING, R. J. Application of general cavity ionization theory to the dosimetry of electron fields, 24:44482 (EUR-4452, pp 455-78)
- SNELLING, R. N. Data acquisition and analysis system for emergency environmental surveillance, 25:44730 (SWRHL-502-r)
- SNELLING, Robert N. Environmental survey of U mill tailings pile, 24:31895
  - Environmental survey of uranium mill tailings pile, Monument Valley, Ariz, 25:11045
  - Environmental survey of uranium mill tailings pile, Mexican Hat, Utah, 25:32409
- SNELLINGS, D. D. Jr. Regulatory control of radioactive material, 24:2430
- SNELLMAN, H. Current algebra on the mass-shell, 25:25427
  - Decoupling experiment on α—γ correlation in ^{241}Am, 21:10031
  - Hydrogen isotope fusion reactions by muon catalysis, 21:37509 (FOA-4-4266-21)
  - Radiative corrections to weak pion decays, 22:26619
  - Versatile electron-gamma correlation spectrometer, 21:17847
- SNELLMAN, Hackan Spin-0 Kemmer wave functions and K/sub l3/ form factors, 25:53115
- SNELSON, A. Infrared spectra of $LiAlF_4$ and $NaAlF_4$, 25:54563
- SNELSON, Alan Spectrum of methyl radical produced by pyrolysis of methyl iodide and dimethyl mercury, 24:13864
- SNELT, R. B. Solder splatter caused by outgassing holes in printed wiring boards, 25:54345 (BDX-613-505)
- SNEPVANGERS, J. J. Use of the High Flux Reactor (HFR), 22:25114
- SNEPVANGERS, J. J. M. Experimental work on fast reactor safety, 25:54141 (A/CONF.49/P-27)
  - Incident following failure of fuel irradiation capsule in HFR, 23:2073 (RCN-99)
  - Use of the HFR, 21:8051
- SNETKOV, A. Ya. Phase composition and some properties of alloys of the system molybdenum—chromium—boron, 24:10183
- SNETKOVA, V. A. Electric properties of solid solutions of ZrC—NbC, 22:17730
  - Electrical properties of complex non-stoichiometric carbides ZrC—Nb and NbC—Zr, 22:41111
  - Electro- and thermophysical properties of zirconium monocarbide, 21:11303
- SNEZHKO, L. I. Physical conditions in the helium-star envelopes, 22:52437
- SNIATYCKI, J. Utiyama identities in quantum electrodynamics, 22:13849
- SNIATYCKI, Jedrzej Some remarks on canonical formulation of field theory and its geometric structure, 25:30961
- SNIDER, A. D. Numerical solution of nonlinear boundary value problems using reflection, 25:33265 (NYO-1480-167)
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- SNIDER, D. R. Expansion (O(4)) of off-shell scattering amplitudes, 23:15263
  - Multiperipheral model suggestion of a damped oscillatory component in high energy total cross sections, 24:13043
  - O(4) expansion of Bethe—Salpeter equation for πrho scattering, 23:25619
  - O(4) symmetry and the Regge trajectory of the pion, 23:3708
  - Regge daughter trajectories in Bethe—Salpeter equation, 22:3517
  - Symmetry (O(4)), N anti N scattering, and the Regge trajectory of the pion, 23:15099
- SNIDER, Dale R. Interference terms in Amati—Bertocchi—Fubini—Stanghellini—Tonin multiperipheral model, 25:19998
  - Multiperipheral mechanism for schizophrenic Pomeranchon, 24:37777
  - Partial bootstrap of schizophrenic Pomeranchon, 25:14824
  - Relation between multi-Regge model and pion exchange multiperipheral model, 24:45605
  - Two-fireball phenomenon and the multiperipheral model, 24:40360
- SNIDER, Dale Reynolds O(4) symmetry, N anti N scattering, and the Regge trajectory of the pion, 23:13095
- SNIDER, David R. MVT accounting routine for Release 17 of OS/360, 24:50259 (ANL-7707)
- SNIDER, J. L. Solar 7699 A K line and solar gravitational red-shift, 24:37103
- SNIDER, J. W. Demonstration of $^{233}UO_2$—ThO_2 microsphere production, 23:35271
  - Design of engineering-scale Solex equipment, 23:21857 (ORNL-4256)
  - Effects of gas flow rate on mass transfer coefficient, measured across liquid—solid interface, in packed-bed catalytic reactor, 23:15834 (ORNL-TM-2320)
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  - Vertical tube furnace for continuously calcining sol-gel-derived ThO_2—UO_2 at a rate of 35 kilograms per day, 23:13692 (ORNL-3894)
- SNIDER, L. M. Explosive lens flashblindness protection system, 21:20216
- SNIDER, M. A. Synthesis of fast reactor neutron energy spectra, 25:60215
  - Synthesis of fast reactor spectra, 25:5961
- SNIDER, R. H. Metallography of some uranium—plutonium fuel materials, 24:48871 (CONF-690954-, pp 192-219)
  - Preparation of plutonium—uranium nitrides and carbonitrides and plutonium oxide particles, 24:8199 (CONF-670533-, pp 116-30)
- SNIDER, W. D. Investigation of heat transfer augmentation through use of internally finned and roughened tubes, 25:12891 (NP-18608)
- SNIDOW, N. L. Plutonium lattice experiment in uniform test lattice of UO_2—1.5 percent PuO_2 fuel, 24:43804 (BAW-1357)
  - Wall effect corrections in proportional counter spectrometers, 21:19940
  - Wall-effect corrections in proportional-counter spectrometers, 21:34464 (ANL-7320, pp 490-500)
- SNIEGOCKA, Zdzislawa Mutants in Saccharomyces cerevisiae. II, 23:24600
- SNIHS, J. O. Experiences from a central dosimetry service used as a survey "instrument" by an inspection agency, 22:21517
  - Whole-body measurements on distribution of ^{203}Hg in humans, 25:2533
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- SNIJDERS, M. A. J. Abundance of Fe in B2 stars zeta Cas and γ Peg, 23:39097
- SNIJDERS, R. Theory of deca-keV solar x-ray bursts, 22:47788
- SNIMSHCHIKOVA, A. A. Radiation polymerization of dioctylvinylphosphine oxide, 24:38919
- SNIPES, M. B. Determination of contained-milk volume of the mammary gland of the goat by ^{141}Ce and ^{14}C-PEG-4000, 25:8587
  - Measurement of the contained—milk volume of the mammary gland using radioactive markers, 25:51984
  - Resolution of two β-emitting radionuclides by liquid scintillation counting, 25:57353
- SNIPES, Morris B. Cesium-137 metabolism in B. orientalis, 22:28327
  - Diet as a factor in ^{137}Cs metabolism, 23:38431
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  Hyperfine-structure anomalies of stable ytterbium isotopes, 24:21558
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  Cholinesterase activity of the spinal cord of animals after x-ray irradiation, 25:13333
SNISAR, V. A. Spatial and energy distributions of ions scattered by crystals, 24:42528
SNITKO, E. I. Lattice parameters and energy release control in the Beloyarsk reactor, 22:22770
SNITSYN, B. V. Radiation heating apparatus for physical-chemical investigations, 23:6179
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SNODGRASS, H. B. Adiabatic approximation and necessary conditions for the existence of bound states, 22:52493
  Tables of coefficients to determine the long-range contributions to low-energy electron—atom scattering, 23:46267
SNODGRASS, Herschel Methods for the Bethe—Salpeter equation. I, 25:9855
SNODGRASS, Herschel Byron Elastic scattering of low-energy electrons by nonspherical atoms, 21:18460
SNODGRASS, L. E. Basic program for quality control statistics with options, 24:20674 (SC-DC-70-4736)
SNOEBERGER, D. Vent-gas treatment plant, 21:1483 (VUF-3016)
SNOEBERGER, David F. Gold recovery process, 25:15754
SNOEK, C. Energy deposition in matter by slow heavy particles, 22:25403
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  Inelastic energy losses of Ar^{+} ions on Cu targets, 23:14611
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SNOVER, Kurt Albert Study of high isospin states by isospin-forbidden radiative capture reactions, 25:12441
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SNOW, P. B. Gamma-ray detector of Moxon-Rae type, 21:1571 (UCRL-50126)
SNOW, Peter Ballard Spins and parities of 1514- and 1726-keV resonances in $^{27}\mathrm{Al}(p,\gamma)^{28}\mathrm{Si}$ reaction, 25:14948
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SNUSTAD, D. Peter Inability to alter limited heterocatalytic expression in phage T4-infected E. coli, 23:35948
SNYATKOV, V. I. Calculation and model investigation of stressed state of bubble chamber body, 25:23848 (IFVE-SPK-70-9)
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SNYCKERS, F. Stereochemistry of sigma-complex intermediate in sterically hindered electrophilic aromatic substitutions, 25:8242
SNYDER, A. H. Electromagnetic separation and chemical refinement of tungsten isotopes, 23:40946 (ORNL-4405)
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SNYDER, Duane A. Preventive maintenance in nuclear plants, 23:37437
SNYDER, E. M. Irradiated arthrospore vaccine against coccidioidomycosis in mice, 22:8492
SNYDER, Eugene I. Complete conformational analysis of 3-phenylpropanol, 23:28803
  Secondary deuterium isotope effects in 1,3-dipolar cycloaddition of tetracyanoethylene oxide to styrene, 24:36214
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SNYDER, F. D. Reactions $^{9}\mathrm{Be}(^{7}\mathrm{Li},p)$, $^{9}\mathrm{Be}(^{7}\mathrm{Li},d)$, $^{9}\mathrm{Be}(^{7}\mathrm{Li},t)$, and $^{9}\mathrm{Be}(^{7}\mathrm{Li},\alpha)$ from 5.6 to 6.2 MeV, 24:13302
SNYDER, F. T. Critical path time—cost scheduling for management of research and development projects, 21:25756 (ORNL-4112)
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SNYDER, Floyd P. Vlf modes below anisotropic ionospheres, 23:20767
SNYDER, Fred Automated system for sample collection and computer analysis of thin-layer radiochromatograms, 21:10259
  Automated system for sample collection and computer analysis of radiochromatograms, 21:45281 (ORAU-101, pp 154-5)
  Bibliography on lipids and cancer, 1947—70, 24:38674 (ORAU-111)
  Comparison of phospholipid biosynthesis in irradiated bone marrow and liver, 21:26612
  Deposition of triglycerides of increased carbon number in irradiated rat marrow, 22:19242
  Labeling and radiopurity of lipids, 22:50914
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  Triglyceride deposition in irradiated bone marrow, 21:45501 (ORAU-101, pp 12-13)
SNYDER, G. A. Loss of coolant from a simulated reactor loop, 21:21659
SNYDER, Glenn Alden OB stars and galactic structure: the perseus spiral arm, 25:55788
SNYDER, H. A. Wave motions in rotating He II, 21:31369
SNYDER, H. J. Type 316 stainless-steel tubing for LMFBR fuel element cladding, 25:4776
SNYDER, H. S. Large-orbit electron synchrotron, 21:13766 (TID-23521)
SNYDER, J. N. Coil configurations (Nb_{3}—Sn) for accelerators. I, 22:32297 (CEAL-2000, pp 391-2)
  Coil configurations (Nb_{3}—Sn) for accelerators. II, 22:32352 (CEAL-2000, pp A150-1)
  Fields owing to currents in Nb_{3}—Sn in quadrupole lenses, 21:17206 (CONF-660918-, pp 262-3)
  Philosophy of a three-view PEPR, 25:6576 (MIT-2098-660, pp 403-11)
  Some construction details for superconducting magnets for FFAG accelerators, 23:28184
  Two-body final states of $K^{-}p$ interactions at 1.33 GeV/c, 22:37083
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- SNYDER, James L. Streaming of gamma radiation in two-legged ducts, 25:5138
- SNYDER, James Langley Heterogeneous synthesis of ammonia in the presence of gamma radiation, 22:27839
- SNYDER, James N. Bubble-chamber data analysis, 21:34467 (CONF-660527-, pp 195-209)
  - Program to match bubble chamber tracks in space, 25:6575 (MIT-2098-660, pp 383-402)
  - Role of computers in the analysis of bubble chamber film, 25:37646
- SNYDER, James W. Reliable and reproducible technique for macroscopic etching of types 304 stainless steels, 23:48352 (RFP-1380)
- SNYDER, John A. Operating manual for Sandia Pulsed Reactor II, 25:54213 (SC-M-710227)
- SNYDER, John William Hydrogen plasmas heated by ion cyclotron resonance, 23:51596
- SNYDER, Joseph W. Engineering models of the space radiation environment, 21:37513
  - Evaluation of gamma probe shielding verification for the Gemini and Apollo vehicles, 21:37532
  - Radiation hazard to man from solar proton events, 21:30816
- SNYDER, Keith Alan Structural and related magnetic properties of high angle evaporated cobalt films, 25:12896 (NYO-3087-21)
- SNYDER, L. Results from meridian chain of observatories in Alaskan sector. I, 25:35961
- SNYDER, L. A. Genetic nature of dominant and recessive suppressor mutations in barley, 24:21138
  - Genetic nature of phenotypic reversions induced in Hordeum with ionizing radiations and chemical mutagens, 21:32610
  - Prog. rpt. on chloroplast pigments in barley mutant, 1/6/69, 23:29433 (COO-332-6)
  - Prog. rpt. on genetic and biophysical studies with seeds and cells of higher plants, annual, 1966, 21:18181 (COO-332-1)
  - Prog. rpt. on yellow-virescent chloroplast pigment mutation in barley, 1/68, 22:25801 (COO-332-2)
  - Suppressors of chloroplast mutation in Hordeum vulgare, 22:36234
- SNYDER, L. E. Observations of interstellar water vapor, 24:17507
  - Unidentified interstellar microwave line, 25:877
- SNYDER, Lawrence C. Core-electron binding energies and Slater atomic shielding constants, 25:52696
- SNYDER, Lewis E. Detection of interstellar $H_2{}^{13}C^{16}O$, 23:46169
  - Formaldehyde absorption in dark nebulae, 23:34194
  - Investigation of the spectra and time variations of galactic water-vapor sources, 24:4922
  - Microwave detection of interstellar formaldehyde, 23:20612
  - Microwave receivers for molecular line radio astronomy, 25:55091
  - Molecules in interstellar medium. I, 25:933
  - Observations of interstellar formaldehyde, 24:27971
  - Observations of radio emission from interstellar hydrogen cyanide, 25:11594
  - Radio search for formaldehyde in comet Bennett (1969i), 24:46940
  - Water-vapor clouds in the interstellar medium, 23:14558
- SNYDER, M. J. Prog. rpt. on heat-resistant concrete for PCPV reactors, 10—12/67, 22:15267 (BMI-X-10220)
  - Time-dependent strains in concrete, 24:25815
- SNYDER, M. Jack Heat-resistant concrete for prestressed-concrete-pressure-vessel, 23:18285 (BMI-1855)
  - Prog. rpt. on heat resistant concrete for PCPV reactors, 4—6/68, 22:44917 (BMI-X-10236)
  - Prog. rpt. on heat—resistant concrete for prestressed-concrete-pressure-vessel reactors, 10—12/66, 21:16667 (BMI-X-10187)
  - Prog. rpt. on heat-resistant concrete for PCPV reactors, 7—9/66, 21:7861 (BMI-X-10180)
  - Prog. rpt. on heat-resistant concrete for prestressed-concrete-pressure-vessel reactors, 1—3/67, 21:28868 (BMI-X-10194)
  - Prog. rpt. on heat-resistant concrete for PCPV reactors, 4—6/67, 21:39704 (BMI-X-10203)
  - Prog. rpt. on heat-resistant concrete for PCPV reactors, 7—9/67, 22:8248 (BMI-X-10215)
  - Prog. rpt. on heat-resistant concrete for PCPV reactors, 1—3/68, 22:28970 (BMI-X-10233)
- SNYDER, Martin Avery VLF electromagnetic radiation in a magnetoionic medium, 22:48111
- SNYDER, N. S. Heat transport through He II: Kapitza conductance, 24:26114
  - Thermal shift of ^{119}Sn in β-Sn below 90°K, 23:23272
- SNYDER, N. W. Mass-transfer model in subcooled nucleate boiling, 23:47705
- SNYDER, Nathan W. Bubble dynamics for vapor bubble in a turbulent stream, 24:36492
  - Bubble dynamics in subcooled nucleate boiling, 24:25201
- SNYDER, Norton J. Heavy particle radiosurgery in Cushing's disease, 23:8023 (UCRL-18066, pp 193-8)
  - Prog. rpt. on heavy-particle therapy in Cushing's disease, 24:29821 (UCRL-18793, pp 135-9)
- SNYDER, Oscar Peter, Jr. Inactivation of Clostridium botulinum by ionizing radiation, 24:9979
- SNYDER, P. M. Measurement of electron mean free paths in indium by the radio-frequency size effect, 25:47672
- SNYDER, R. Formula for relativistic atomic energies, 25:58819
  - Z-expansion corrections to Lande interval rule, 24:44992
- SNYDER, R. E. Decay of /sup 121m/Sn and ^{121}Sn, 22:32606
  - First excited state of ^{121}Sb, 21:38372
  - Liquid helium Moessbauer absorber cryostat, 23:12702
  - Moessbauer effect measurements in ^{176} ^{178} ^{180}Hf, 23:13267
  - Moessbauer studies on cubic Laves iron—rare-earth intermetallic compounds, 22:52873
- SNYDER, R. G. Bond polarizability interpretation of Raman intensities of cyclohexane and cyclohexane-d$_{12}$, 25:4061
  - Interpretation of the Raman spectrum of polyethylene and deuteropolyethylene, 25:4062
- SNYDER, R. M. Testing the surface-follower wave-height measuring system, 22:21012 (UCRL-50379)
- SNYDER, R. P. Lithologic logs of UCe-2, UCe-3, and UCe-16 drill holes, Stone Cabin and Monitor Valleys, Nye County, Nev, 23:28998 (USGS-474-9)
  - Preliminary lithologic log of drill hole UAe-7c from 0 to 7,495 ft. (T.D.), Amchitka Island, Alaska, 24:2298 (USGS-474-32)
  - U20e post shot fractures, Jorum event, 25:8356 (USGS-474-92)
- SNYDER, R. S. Growth of spherical crystals of indium with respect to crystal growth in space, 25:52308
- SNYDER, Richard E. Decay scheme of /sup 121m/Sn and Moessbauer effect in ^{121}Sb, 25:43905
- SNYDER, Richard P. Lithologic log of drill hole UAe-2 from 0 to 3,580 feet, Amchitka Island, Alaska, 24:5743 (USGS-474-52)
  - Lithologic log of drill hole UAe-2, from 3,580 feet to 6,500 feet, Amchitka Island, Alaska, 24:7510 (USGS-474-53)
- SNYDER, Robert D. Development of constitutive equations for nuclear grade graphite for space applications, 23:16525 (N-68-33293)
- SNYDER, Robert Stuart Elastic differential scattering of H$^+$, He$^+$, and He^{++} by argon in the 150 to 2000-eV range, 24:35202
- SNYDER, S. D. Imperfections in chemical munitions as detected by x-ray scanning, 25:48392 (ORNL-TM-3467)
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  - Measurement of fuel concentration in nuclear fuel rods, 22:14739
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  - X-ray attenuation scanning of nuclear fuel plates, 25:42031
  - X-ray technique for measuring thickness of tungsten on copper, 23:31494 (ORNL-TM-2524)
- SNYDER, Samuel L. Permanent interstitial therapy, 23:12166
- SNYDER, Solomon H. Enzymatic isotopic assay for tissue histamine, 21:30774
  - Prog. rpt. on effect of microwave irradiation on turnover rate of serotonin and norepinephrine in rat brain, annual, 6/69—5/70, 25:16303 (AD-710005)
- SNYDER, Stephen L. Pepsin-catalyzed hydrolysis of neutral dipeptides, 23:153
- SNYDER, W. J. Distribution of dose and dose equivalent in an anthropomorphic phantom resulting from broad-beam sources of monoenergetic neutrons, 21:32630 (ANS-SD-4, pp 25-45)
- SNYDER, W. M. Walker Branch Watershed project, 23:52509 (ORNL-4392)
- SNYDER, W. R. Radiation analysis, 21:40548 (CVNA-284)
- SNYDER, W. S. Age-dependent model for the bodily retention of cesium, 21:32644 (CONF-661018, pp 174-90)
  - Application of ICRP recommendations relevant to internal dose, 24:23230 (SWRHL-82, pp 508-28)
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  - Calculations of depth dose from neutrons and protons of high energy and their interpretation for radiation protection, 22:31901
  - Conference on radiation protection, Rome, 9/66. I, 23:12127
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  - Distribution of dose equivalent in an anthropomorphic phantom, 22:28456 (ORNL-P-3048)
  - Distribution of dose in the body from a source of gamma rays distributed uniformly in an organ, 21:6493 (ORNL-P-2709)
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  - LET cylindrical phantoms irradiated by monoenergetic neutrons, 25:46852
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  - Peaceful uses of nuclear explosives, 24:39460 (ORNL-4446, pp 26-39)
  - Predicting radiation dose equivalents for populations. I, 23:29510
  - Prog. rpt. on applied health physics and safety, 1970, 25:46868 (ORNL-4690)
  - Radiation dose from high-energy nucleons in targets containing soft tissue and bone, 23:839
  - Radiation dose from neutrons and protons in energy range from 400 MeV to 2 GeV, 23:45742
  - Study of individual variation of excretion of plutonium by man and of its significance in estimating the systemic burden, 22:38266 (UCRL-18140, pp 123-43)
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  - Variation of dose in man from exposure to a point source of gamma rays, 22:45566
- SNYDER, W. T. Energy dissipation in MHD duct flow, 23:8504
  - Graphical presentation of magnetogasdynamic accelerator and generator performance characteristics, 22:9140
  - Magnetohydrodynamic heat transfer in a finite duct, 21:43186
- SNYDER, Walter S. Conference on medical radionuclides: radiation dose and effects, Oak Ridge, Tenn., 12/69, 24:50873 (CONF-691212)
  - Dose estimation in the context of health physics regulations and responsibilities, 22:8521 (CONF-670305-, pp 269-76)
  - Estimation of absorbed fraction of energy from photon sources in body organs, 24:50876 (CONF-691212-, pp 33-49)
  - Health physics aspects of supersonic transport, 21:18039 (ORNL-P-2597)
  - Standard man in relation to internal radiation dose concepts, 21:10905
- SNYDER, William B. Laser coagulation of the anterior segment. I, 21:26621
- SNYDER, William T. Fully developed magnetogasdynamic flow between diverging plane walls, 21:37256 (AD-651034)
  - Influence of Hall effect and initial velocity profile on MHD flow in parallel plate channel, 21:37255 (AD-650820)
  - Internal MHD channel flows including Hall effect and variable fluid properties, 24:30191 (AD-701386)
- SNYDERMAN, J. S. Radiation-induced addition of methylsilane and dimethysilane to ethylene, 21:5943
- SNYDERMAN, R. Interactions of the complement system with LPS, 24:25397
- SNYDERS, L. S. Optical methods for studying ultrasonic propagation in transparent media, 21:19871 (ORNL-P-2725)
- SNYDERS, Leon Steyl Photoelastic observation of ultrasonic waves in a transparent plate, 21:12608 (ORNL-TM-1671)
- SNYGG, John One body Wigner—Moyal density for locally linear potential of arbitrary dimension, 21:35236 (NYO-1480-75)
- SNYKERS, M. Factorial design experiment on the high temperature embrittlement of irradiated stainless steels, 25:47148
- SNYMAN, G. C. Ge(Li)-detectors: review of properties and application in gamma spectrometry, 21:24195 (PEL-135)
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  - Rapid assay of high purity gold by means of radioisotope x-ray fluorimetry, 21:19571
  - Reading list on applications of isotopes in industry, 23:38184 (PEL-189)
  - Uranium determination in ore samples by radioisotope-excited x-ray fluorescence, 25:31793 (PEL-203)
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  - Fatty acid changes in pigeons after lethal-body radiation and bone marrow and thymus administration, 21:16462
  - Fatty acid changes in pigeons after lethal-body radiation and bone marrow and thymus administration, 21:32783
- SO, K. C. Superposition of dressed particles in plasma kinetic theory, 23:48905
- SO, Kam-chuen Generalized stochastic equations and their applications to plasmas, 22:46156
- SO, Moon-tak Perturbed orbital energies in the radiolysis of saturated hydrocarbons, 22:12358
- SO, S. P. Ethynylbenzene: the vibrational spectra of some deuterated isomers, 25:10534
- SOANE, B. D. Dual-energy gamma-ray transmission for coincident measurement of water content and dry bulk density of soil, 21:28288
- SOARD, H. F. Analysis of energy storage and its effects in the proposed national radioactive waste repository, 25:37563 (ORNL-TM-3403)
  - Computer program for handling and comparing fission product data from RIBDOR for mixtures of reactor fuels irradiated under different conditions: application to Atomics International LMFBR fuel, 23:9159 (ORNL-TM-2393)
  - Maximum temperature rise in cylinders containing intermediate-level and high-level solidified radioactive wastes, 23:17732 (ORNL-4361)
  - Neutron shielding requirements for LMFBR and LWR fuel shipping casks, 24:31670
- SOARDI, F. Bleeding time and intensity in normal and irradiated rats by means of the capillary tube method, 21:22734
- SOARDO, G. P. Effects of fast neutron irradiation on Fe—Si 6.5 percent alloy, 22:47691
  - Magnetic viscosity induced by fast neutron irradiation in high permeability pure iron, 21:40114
  - Prog. rpt. on influence of nitrogen in iron and steel under fast neutron irradiation, final, 10/68, 23:41682 (EURAEC-2087)
  - Radiation enhancement of diffusion in Ni—Fe alloys, 23:42420
- SOARES, J. C. Fluorescence, Auger, and Coster—Kronig L/sub II/ subshell yields of Th, 25:58719
- SOARES DE ANDRADE, A. A. Uranium deposits in Portugal, 25:18537

SOBAJIC, M. Health physics instrumentation and systems, 25:51846 (A/CONF.49/P-352)
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- SOEDERBORG, B. Computer processing of cerebral scintillation camera studies, 25:42090
  - Salivary-gland scanning with /sup 99m/Tc, 24:2748
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- SOEDERGARD, Bengt Martin Control rod arrangement for light water nuclear reactors, 25:36998
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  - Differential sensitivity of long self-powered neutron detectors, 24:11804
  - Vanadium beta emission detectors for reactor in-core neutron monitoring, 23:38240 (AE-359)
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- SOEDING, P. Comparison of phase-shift analysis solutions to π^-p scattering data, 23:32750
  - Evidence for H meson or just eta', 22:46423 (UCRL-18271)
  - Meson—nucleon coupling constants from empirical nucleon—nucleon scattering, 21:2480
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  - N* studies via πp inelastic reactions, 24:5297
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  - Experience gained with in-pile sodium loop for fast neutron irradiation after first run in BR-2 reactor, 22:13041
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- SOENO, Ko Beta-phase decomposition and precipitation of alpha—Zr in Nb—40 at. percent Zr—10 at. percent Ti superconducting alloy, 23:41677
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  - Clinical evaluation of a new portable unit radiographic technique, 25:21237
  - Uptake and distribution of ^{86}Rb and ^{42}K in mice and rats, 24:16966
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- SOERENSEN, B. Can phenomenological particle—particle and particle—hole forces be distinguished, 25:39087
  - Comparison between a boson-expansion method and the exact solution in a two-level model, 22:20683
  - Confirmation of strong second order processes in (p,t) reactions on deformed nuclei, 25:18015
  - Microscopic boson description of vibrational states in ^{114}Cd, 21:21551
  - Pairing vibrational model and analysis of reactions ^{116} ^{118}Sn(t,p), 22:42088
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- SOERENSSEN, A. Longitudinal space-charge forces at transition, 22:32310 (CEAL-2000, pp 474-7)
- SOERGEL, V. Analogy between radiative pion absorption and muon capture in ^{12}C, 25:12395
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  - Prog. rpt. on application of radiation-pasteurization processes to Pacific crab and flounder, annual, 11/66—10/67, 23:41517 (TID-24317)
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- Prog. rpt. on prevention of interactions between erythrocyte surface structures and blood-group related toxic substances of microbes, 2/70—4/71, 25:51274 (COO-1285-18)

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- Surface-to-mass and heterogeneity effects on the specific reactivity of selected materials in a fast neutron spectrum, 22:35667 (NAA-SR-Memo-12288)
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STACKLER, B. Induction of heteroallelic reversions and lethality in Saccharomyces cerevisiae exposed to radiation of various LET (^{60}Co γ rays, heavy ions, and π^- mesons) in air and nitrogen atmospheres, 25:55165
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  Conference on fundamental aspects of stress corrosion cracking, Columbus, Ohio, 9/67, 23:36005
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  Prog. rpt. on stress corrosion cracking of Fe—Cr—Ni alloys in caustic environments, 1/15—4/14/70, 25:44994 (COO-2018-18)
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  Study of the mechanisms of stress corrosion cracking in the iron—nickel—chromium alloy system in chloride environments. Quarterly report, July 1—September 30, 1970, 25:44997 (COO-2069-16)
  Study of the mechanisms of stress corrosion cracking in the iron—nickel—chromium alloy system in chloride environments. [Progress report], October 1, 1970—June 30, 1971, 25:49354 (COO-2069-19)
STAEHLE, Roger W. Advances in corrosion science and technology. I, 25:29778
  Stress corrosion cracking of Fe—Cr—Ni alloys in caustic environments, 25:44996 (COO-2018-23)
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- STAHLER, Nathan Effect of blood-feeding on the longevity of radiation-resistant yellow-fever mosquitoes, 23:2912
  - Reproductive and immunological characteristics of a strain of Aedes aegypti selected for resistance to gamma radiation, 21:13052
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  - Photon spectrum in radiative Ω^--decays, 25:50112
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  - Sintering parameters for various uranium dioxide powders, 22:31451
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  - Acceleration of plasma with traveling electromagnetic waves, 23:18624 (CONF-680113-(Vol.2), pp 701-25)
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  - Neutron cross sections of Pr, Yb, Lu, Er, Ho, and Tm, 22:18281
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  - Correlation of microhardness and microbrittleness of refractory compounds with their electronic structure, 21:11307
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  - Rho—photon coupling constant and the rho—nucleon scattering amplitude, 24:40298 (INR-P-1166)
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Modifications of the synthesis of the hepatic catalase in mice exposed to the effect of ionizing radiation, 25:42278
STEFANESCU, Al. Spectra of power reactor neutrons, 22:14175
STEFANESCU, Alexandru Conference on research reactor experimental techniques, Bucharest, 10/64, 22:12107
STEFANESCU, D. T. Chromosome anomalies after irradiation with small doses of gamma rays, 22:19451
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STEFANI, Andrew P. Relative rates of addition of cyclopropyl radicals to olefins. I, 24:36257
STEFANI, Louis J. Bibliography on nuclear radiation, command operational exposure guidance, and contamination control levels, 23:43795 (AD-837275)
STEFANI, R. Determination of traces of impurities in beryllium and uranium by spark mass spectrometry, 21:34227
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STEFANOV, G Neutron-activation determination of silver in ores and rocks, 21:5789
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  Protease activity changes in rabbit lung macrophages, spleen cells, and polymorphonuclear leucocytes after whole-body x-irradiation, 25:27035
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  Multiplicative muon effect in lead—iron absorber, 21:10617
STEFANSSON, V. Conversion electron particle parameters of E2 transitions in ^{152}Sm and ^{154}Gd, 25:31380
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  Influence of ribosides on ultraviolet resistance of Escherichia coli: role of deoxyribonucleic acid synthesis in the ultraviolet resistance enhancement after amino acid prestarvation, 25:47059
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  Third Foratom Congress, London. Industrial Aspects of a Fast Breeder Reactor Program. German contributions to Sessions I, II, III, IV, VI, 21:30136 (EURFNR-287)
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STEICHELE, E. Isomer shifts of 81-keV γ line of ^{133}Cs, 22:9908
STEICHELE, Erich Isomer shifts of γ rays in ^{151}Eu and ^{153}Eu, 21:27607
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- STEMPLE, N. R. Superconductivity of lanthanum intermetallic compounds with Cu_3Au structure, 22:24223
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- STEN, T. A. Relation of electron and proton auroral morphology to geomagnetic activity, 25:24990
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Prog. rpt. on research on marine food chain, annual, 1966, 21:32077 (UCSD-34-P-108-55(Pt.1))
Prog. rpt. on research on marine food chain, Pt. IV, 7/69—6/70, 24:41167 (UCSD-10-P-20-69)
Prog. rpt. on research on marine food chain, III., 7/69—6/70, 24:41166 (UCSD-10-P-20-68)
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Prog. rpt. on research on marine food chain, Pt. II, Vol. 2, 7/68—6/69, 24:11893 (UCSD-10-P-20-52(Pt.2)(Vol.2))
Prog. rpt. on research on marine food chain, Pt. II, Vol. 1, 7/68—6/69, 24:12037 (UCSD-10-P-20-52(Pt.2)(Vol.1))
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Prog. rpt. on environmental monitoring program, annual, 1—12/68, 23:31430 (AD-684330)
Prog. rpt. on environmental radiation monitoring program, SM-1A Nuclear Power Plant, annual, 1968, 23:45117 (AD-685818)
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  - Tritium: means of detection and of protection, 22:23262 (CEA-R-3350)
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  - Excretion and retention of stable strontium in children, 25:29442
  - Reduction of strontium absorption in man by the addition of alginate to the diet, 22:8444
- SUTTON, A. L. Electrochemical measurements on niobium at elevated temperatures, 21:28755 (ORNL-TM-1883)
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  - Effect of x-rays on the electrical conductance of phospholipid bilayer membranes, 22:45413
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  - Neutron spectra from monoenergetic photons on bismuth, 21:44699
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  - Strontium-90 and ^{137}Cs measurements of large volume sea water samples, 22:27938 (HASL-196)
- SUTTON, E. A. Safety of D.F.R. irradiation experiments, 24:41034 (TRG-Report-1911, pp 235-49)
- SUTTON, G. A. Liquid scintillation counting of ^{63}Ni, 24:46196
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- SUTTON, George W. Direct energy conversion, 21:652
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  - Speeds of reaction of three nitroparaffins with hydrogen atoms and solvated electrons in aqueous medium, 21:25901
- SUTTON, Joseph D. Survey of use of radionuclides in medicine, 23:29656 (MORP-68-10)
- SUTTON, K. J. Extraction of Sc(III) with tri-n-butyl phosphate from aqueous chloride solutions, 21:24099
- SUTTON, L. E. Electric polarizations of some metal acetylacetonates at 29.7 cm^{-1}, 24:20775
- SUTTON, R. B. Distribution of charge in ^{232}Th and ^{238}U determined by measurements on muonic x rays, 23:31032
  - Muonic x rays from separated isotopes of europium, 22:22599
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- SUTTOR, F. Determination of the ^{14}C-activity and the CO_2-concentration with large-surface methane flow meters, 21:4698
- SUTTORP, L. G. Covariant equations of motion for a charged particle with a magnetic dipole moment, 24:12979
  - Equations of motion for charged particle with magnetic dipole moment, 23:32596
  - Uniqueness of the relativistic energy-momentum tensor in polarized media, 21:37645
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  - Transverse momenta of strange particles produced in pion interactions with nuclei, 24:51974
- SUTULA, V. D. Macroscopic causality in nonlocal quantum field theory, 22:26689 (JINR-P2-3590, pp 31-7)
- SUTULOV, Yu. N. Electronic transitions in Hf, Eu, and Yb at high pressures, 24:12898
- SUURA, H. Equal-time commutation relations of the isovector current densities, 21:42441
  - Integrally charged quarks and 2γ decay of π^0 and eta, 22:52963
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  - Radiative corrections to β decay and the quantum numbers of fields underlying current algebra, 21:29492
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- SUURA, Hiroshi General treatment of $\pi\pi \rightarrow \pi A_1$ in the Veneziano model, 24:13080
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  - New approach to measure ion reflection and secondary ion emission during ion bombardment of atomically clean and smooth monocrystalline metal surfaces, 25:22353
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  - Atomic configurations of dispersion clusters of neutron-irradiated tungsten monocrystals, 24:14819
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  - Investigation of radiation effects of monocrystals with ionic projector, 24:10128
  - Observation of shifted atoms and their complexes in irradiated metallic specimens, 24:12446
- SUVOROV, A. M. Zone liquation in niobium alloy ingots obtained by electronic melting, 25:58260
- SUVOROV, A. N. Effect of gamma irradiation on the electrical characteristics of specially pure silicon, 24:32892 (AD-700579)
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- SUVOROV, N. N. Quantitative characteristics of the radioprotective effect of mexamine, 24:27614
- SUVOROV, S. V. Mechanism of the acute toxic effect of rare metal chlorides, 23:14160 (TT-67-51409/4, pp 406-11)
- SUVOROV, V. M. Meson capture in mixture of H with other gases, 22:45920 (JINR-P13-3901)
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SUYAMA, Yoshitaka Prog. rpt. on nucleic acids and protein mechanisms of mitochondria, annual, 6/66—6/67, 22:1926 (NYO-3588-6)
Prog. rpt. on nucleic acids and protein synthesizing mechanism of mitochondria, annual, 1969, 24:36118 (NYO-3588-21)
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- SUZUKI, Masashi Characteristics of personal air samplers, 25:382
  - Determination of europium in biological materials by neutron activation analysis, 25:37332
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  - Final report of research project on plutonium hazards, 4/66—3/70, 25:57998 (NIRS-Pu-8)
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- SUZUKI, Nobutake Autoxidation of toluene catalyzed by metal ions in aqueous solutions. I, 21:34301
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- SWEZEA, E. G. Prog. rpt. on biological sciences, annual, 1965, 21:14523 (BNWL-280)
- SWEZEA, Evelyn G. Prog. rpt. on biological sciences, annual, 1966, 22:10674 (BNWL-480)
  - Prog. rpt. on biological sciences, annual, 5/68, 23:6433 (BNWL-714)
  - Prog. rpt. on biological sciences, annual, 1968, 24:34179 (BNWL-1050(Pt.1))
- SWEZEA, G. L. Electronic systems for nuclear reactor protection, 22:37438 (DUN-SA-65)
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SZCZEPANKOWSKI, J. Relative K-capture probability in the unique first forbidden decay of ^{145}Sm, 25:38979 (INR-P-1235)
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SZEGO, G. C. High-temperature thermoelectric material limitations, 22:19837
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SZEGO, K. Higher symmetries of Regge-poles, 23:44737
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SZILAGYI-GYOERI, Erzsebet Examination of disturbing effect of phosphorescence and afterpulsing in measuring absolute activity of soft β-emitting isotopes, 22:44997
SZILARD, B. Colloidal hydroxides of Th, Zr, and UO_2, 21:5851 (ORNL-tr-1415)
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SZIRTES, Laszlo Use of synthetic inorganic ion exchangers for the separation of calcium and scandium, 21:5819
SZITA, J. Sterilization of catgut by ionizing radiation, 22:52088
SZKATULA, A. Single crystal slow neutron spectrometer at the pulsed reactor in Dubna, 21:39212
Single crystal slow neutron spectrometer at pulsed reactor in Dubna, 22:341 (KFKI-8/1967)
Thermostat for neutron cross-section measurements within range 196 deg C to 200 deg C, 21:7631 (INP-497/PS)
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SZLAVIK, F. Correlation type time-of-flight spectrometer with magnetically pulsed polarized neutrons, 22:12602
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Total reaction cross section and elastic scattering of 24.7 MeV alpha particles in the region of A = 60 nuclei, 22:7688
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SZOEKEFALVI-NAGY, Z. Anomalous hyperfine field at recoiled Rh nuclei of low energy in $Fe_{51\ 5}$—$Rh_{48\ 5}$ alloy, 23:23674 (KFKI-3/1969)
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- New data on the ray-protective effect of the pantothenic acid, 21:26502
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- SZOT, Zbigniew Effect of citrate content on metabolism of ^{144}Ce in rat, 24:4556
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- SZPIKOWSKI, S. Common symmetry of pairing + quadrupole forces in nuclear theory, 24:49936
  - New approach to the old classification problem of nuclear states, 21:44739 (ZFK-122, pp 9-19)
  - New quasiparticle factorization of the j-shell, 25:12666
- SZPIKOWSKI, Stanislaw Matrix elements of pairing Hamiltonian for D (lambda, 0) representation of R_5 group in (n, T, T_0) basis, 22:18325
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  - Megagauss magnetic fields, 24:47191 (LA-tr-70-18)
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  - Muonium and its chemical compounds, 23:25151
  - Muonium and muonium chemical compounds, 23:18418
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- SZTANYIK, B. L. Effect of ^{60}Co-gamma irradiation on incorporation of ^{59}Fe into erythropoietic system, 22:49577
  - Radioprotective effect of a mixture of AET and 5-methoxytryptamine in x-irradiated mice, 25:4583
  - Radioprotective effect of N-substituted AET-derivatives having amino acid structure, 25:4577
- SZTANYIK, L. Biological irradiating facility at Hungarian WWR-SM reactor, 24:33826 (KFKI-70-5-HP)
  - Radioprotective effect of 5-methoxytryptamine on haemopoietic stem cells, 23:18077
- SZTANYIK, Laszlo AET exchange. II, 24:29778
  - Data concerning the biological effect of the mixed neutron radiation of atomic reactors, 24:51028 (ANL-Trans-851)
  - Effect of radiation on incorporation of ^{59}Fe in erythropoietic system of mice, 24:51030 (ANL-Trans-853)
  - Pharmacological radiation protection, 23:24693
  - Radiation damage to erythropoiesis using an Fe isotope in mice. I, 21:22295
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  - Two- and three-quasiparticle states in ^{133}Xe and ^{131}Xe, 25:50743
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  - Powder dispersion materials for reactor physics measurement, 21:18323 (INR-751/XIV/PR)
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- SZTEKE, Witold Possible uses of plasma in powder metallurgy, with particular reference to spheroidization, 25:58187 (SCL-T-710281)
- SZTERK, L. Fission product diffusion in coatings of fuel elements. II, 21:1960 (SGAE-CH-36/1966)
- SZTERK, Lucjan Study on the diffusion of radioisotopes into pyrolytic carbon and silicon carbide coatings, 25:16585
  - Study on the removal of pyrolytic carbon and silicon carbide coatings, 25:16565
- SZTRAKA, Helen Simple method for determining the concentration of serum thyroxine by competitive displacement analysis, 25:26568
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  - Optimum system for satisfying a given demand on fresh water and electric power, 23:49629
  - Peak power supply from nuclear energy centres, 24:29073
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- SZULC, L. Properties of PAR-1 alloy for construction of core of reactor EWA 10 MW, 22:7895 (INR-779/XIV/PS)
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- SZULC, Marcin Content of ^{137}Cs in muscles of rabbits and hares, 23:50465
  - Radioactive contamination of milk in Poland in period 1961—1967, 23:8008
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- SZULINSKI, M. J. Fluoride volatility processing of reactor fuels, 23:11600 (ISO-627)
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  - Labeling of red blood cells with ^{81}Rb for spleen scans, 23:9992
  - Measurement of splenic red-blood-cell mass with radioactive carbon monoxide, 22:25906
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  - Red-cell uptake in spleen using ^{81}Rb- and ^{51}Cr-labeled red cells, 23:9993
- SZUR, Leon Influence of pH on the radioprotective action of cysteamine, 23:20268
- SZUSTER, J. T. Influence of a magnetic field on vorticity distribution in viscous fluid flow in a channel, 24:3235
- SZUSZCZEWICZ, E. P. Behavior of low-density plasma in presence of cylindrical Langmuir probes, 25:58999
- SZUSZCZEWICZ, Edward P. Ion-current response of Langmuir probes in presence of ion—atom collisions, 25:43340 (N-71-17594)
- SZUSZCZEWICZ, Edward Paul Behavior of low-density plasmas in presence of Langmuir probes, 25:11873
- SZUSZKIEWICZ, Marian Determination of beryllium in rocks by neutron activation analysis, 23:43275
  - Investigation of electronic structure of metallic thorium and uranium by measurement of the angular correlation of annihilation radiation, 21:18287
- SZUTA, Marcin Application of Cherenkov effect to the detection of failed fuel elements, 21:38674
- SZWARC, M. Reactions of methyl radicals with aromatic hydrocarbons, 22:37732
- SZWARC, R. Defect contribution to excess enthalpy of uranium dioxide-calculation of Frenkel energy, 23:22669
  - Heat content of UO_2 from 1200 to 3100°K, 22:15256
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  - Vapor pressure of hypostoichiometric urania as a function of composition, 21:31081 (GEMP-528)
  - Vapor pressure of hypostoichiometric urania as a function of composition, 22:31459
- SZY, D. Determination of the isotope ratio ^{234}U/^{238}U with a scintillation α-spectrometer, 25:48455
  - Measurement of small amounts of radium and radon, 25:37310
- SZY, Denes Determination of ^{234}U/^{238}U ratios in samples of natural water, 25:15519
  - Determination of the natural isotopic ratio of U, 24:19091
- SZY, Sandor Radiologic presentation of the forms of pelvic fracture, 25:19040
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  - Gamma irradiation of deoxyribonucleic acid. I, 22:36187
  - Molecular events resulting in radiation injury, repair, and sensitization of DNA, 21:8718
  - Molecular events resulting in radiation injury, repair and sensitization of DNA, 22:12824
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  - Structural modifications of DNA, 21:12790
- SZYBINSKI, Zbigniew Secretion of ^{131}I-albumin in gastric juice in patients with gastric carcinoma, 21:17982
- SZYCHLINSKI, Jerzy Isotopic exchange in the system [PbCl/sub n/]/sup (n-4)-//sub aq/—^{36}Cl$^-$/sub aq/, 24:18935
- SZYDLIK, P. P. Higher random-phase-approximation studies of the structure of ^{16}O. I, 21:13813
  - Shell-model analysis of the excited states of ^{6}He, 24:24498
- SZYDLIK, Paul P. Shell model prediction of the excited states of ^{6}He, 21:15477 (KAPL-P-3308)
- SZYDLOWSKI, Jerzy Chloride-36 exchange reaction, 22:47146
- SZYMACHA, A. Ne'man's fifth interaction and octet dominance in nonleptonic decays, 25:53142
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  Oak Ridge Research Reactor quarterly report, January—March of 1970, 24:38604 (ORNL-TM-3074)
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TAFT, H. D. Diffraction-produced $K^*\pi$ and $\Delta\pi$ systems in 12.6-GeV/c K^-p interactions, 23:21058
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TAHIRA, Sadamu Characteristics of experimental apparatus for electron—atom collisions, 24:39869
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TAHIR-KEHLI, Raza A. Moment-conserving decoupling procedure for many-body problems, 23:30676
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TAHMISIAN, Theodore N. Morphological changes in cellular organelles of x-irradiated bacteria-free grasshopper diapause embryos, 25:32520
TAI, C. C. Physiological and genetic implications of selective mutation by light at 320 to 400 nm, 24:14458
TAI, C. T. Prog. rpt. on electrodynamics in moving media, final, 5/1/65—5/1/66, 21:13569 (N-66-37577)
TAI, H. Angular distributions of elastically scattered electrons from hydrogen, 23:36504
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TAKO, J. Diagnostic value of ^{131}I-labeled triiodothyronine red blood cell uptake test, 22:10812
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TAPIA, O. Short-range molecular interactions in the system $H_2 \ldots H_2$: their dependence on the orientation and internal geometry of the two species, 25:46377 (LA-tr-71-54)
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  Bronchial patency and aerated space assessment by scintiscanning, 22:40784
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TAPP, E. Beryllium induced sarcomas of the rabbit tibia, 21:32759
  SH group composition of yeast alcohol dehydrogenase by ^{60}Co-γ-radiation, 25:51516
TAPPAN, J. T. On-site health and safety report: Project Sterling, 23:8005 (VUF-1038)
TAPPAN, John T. Carlsbad site roll-up program. On-site radiological safety report, 25:2420 (NVO-410-2)

TAPPENDORF, J. C. Reactor physics results from low-power measurements in ATR, 23:19527 (IN-1260)

TAPPER, D. N. Studies on radiation-induced gustatory avoidance behavior, 22:28627 (NYO-2147-13, pp 196-225)

Studies on radiation-induced gustatory avoidance behavior, 24:2775 (NYO-4039-1, pp 134-49)

TAPPER, M. L. Equal-time anticommutator of baryon current in neutral pseudoscalar-meson theory, 23:34644

Partially conserved axial-vector current in photopion production, 22:44358

Structure of the equal time anticommutator of the baryon current in neutral pseudoscalar meson theory, 22:39404 (N-68-21629)

TAPPER, Myron Leonard Consequences of the modified partially conserved axial-vector current hypothesis in photopion production, 22:37121

TAPPER, R. J. Pion—nucleon total cross sections from 0.5 to 2.65 GeV/c, 22:26568

TAPPERE, E. J. High-resolution photography of solar chromosphere. I, 22:41281

High-resolution photography of the solar chromosphere. IX, 25:55746

TAPPERT, Frederick Drach Kinetic theory of the classical equilibrium plasma medium, 22:50180

TAPPHORN, R. M. Lifetimes of ^{39}K excited states, 25:43861

TAPPHORN, Ralph M. Lifetime measurements of excited states in ^{39}K, 25:43856

TAPPIN, G. Thermal shock and fracture in ceramics, 21:43208

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TAPU, Cornel Analysis of electronic circuits using digital computers, 22:39953 (CEA-R-3466)

Automatic control systems for nuclear reactors, 22:16115 (CEA-R-3380)

TAPUCU, A. Method of calculating effective thermal-group cross sections using space- and energy-dependent neutron fluxes, 23:3902

TAQUIN, J. Nuclear magnetic resonance at high resolution, 25:37685

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TAR, Jozsef Rapid industrial determination of oxygen in steels by neutron activation, 24:29235

TARABAN'KO, V. A. Measurement of neutron spectra in graphite—water system with a temperature discontinuity, 23:43164

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TARABANOV, A. S. An experimental study of the thermal conductivity of high-porosity graphitic carbon, 25:8942

Experimental study of electric conductivity of highly porous carbon—graphite materials, 25:50017

TARABASANU-MIHAILA, C. γ-radiation-induced oxidation of acenaphthene. II, 25:51500

TARABASANU-MIHAILA, Doina γ-radiation-induced oxidation of acenaphthene. II, 25:51500

TARABASANU-MIHAILA, E. Radiation induced oxidation of sulfur dioxide in the presence of water saturated vapour, 23:35198

TARABELLA, Andre Flux mapping by semi-conductors detectors in EDF 3 reactor, 23:1973 (CEA-R-3297)

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TARAFDAR, S. P. Absorption coefficient of H^- and interparticle interaction. II, 24:48921

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TARAKANOV, N. M. Formation of secondary particles in IHEP accelerator, 24:30608 (CERN-Trans-70-2)

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Search for Dirac monopole at 70 GeV I.P.H.E. proton synchrotron, 24:24210

TARAKANOVA, M. P. Influence of irradiation on excretion of deoxycytidine and thymidine, 23:17951

Influence of irradiation on the urinary excretion of deoxycytidine and beta-aminoisobutyric acid in monkeys, 25:26999

TARAKHTII, E. A. Quantitative changes in the cells of the hematogenic organs under the influence of ionizing radiation, 23:5018

TARAMASCO, H. Pulmonary hemosiderosis in a 9-year old child with a trisomy 18, 25:4685

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Determination of spins of ^{165}Ho neutron resonances, 21:25509 (JINR-P3-3208)

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Polarized proton target as the neutron polarizer, 23:42790 (JINR-P3-4409)

Spin dependence of interaction of slow neutrons with deuterium, nitrogen, and lanthanum nuclei, 23:28231 (BNL-tr-263)

Spin dependence of the interaction of slow neutrons with nuclei of deuterium, N, and La, 23:46900

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TARANENKO, L. A. Sterilization of biologically active polysaccharide complex isolated from B. prodigiosum, 22:10893

TARANENKO, V. N. Tunnelling effect in Pb and Tl under pressure, 24:45186

TARANIN, V. D. System of monitoring and measuring instruments for fast reactors, 23:52336 (JPRS-48330, pp 293-312)

TARANOV, A. Ya. Atomic beam ionizer as a source of polarized ions, 21:14956

Charge-transfer accelerator for nuclear studies with polarized beams of accelerated ions, 23:46887

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TARANOVA, E. Methods for accelerated determination of the radiobiological effect at irradiation of plant seeds, 24:23397

TARANTIN, N. I. Application of magnetron type ion source in on-line electromagnetic separator, 22:47399 (JINR-P13-3953)

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Identification and study of radioactive properties of Bi isotopes using electromagnetic mass-separator on heavy ion beam, 25:15023

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TARANTIN, V. D. System for the automatic indication of impurities in sodium coolants, 25:29261

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TARANUKHA, O. M. EPR spectra and spatial distribution of macroradicals in γ-irradiated polycaprolactam, 23:4651

Paramagnetic relaxation of macroradicals stabilized in γ-irradiated polycaprolactam, 24:38901

TARAO, Ryokichi Spectroscopic studies of dialkylaluminum alkoxides and the trialkylaluminum-ether complex. II, 21:1369

TARARA, R. Accurate excitation energies of ^{11}B and ^{11}C, 24:49714

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TARAS, P. Analysis of particle-gamma angular correlations and distributions, 24:49949

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TARAS, Paul Properties of levels in ^{35}Cl, 21:15539

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Cysteine content in mouse tissues, 22:33865

Increase in the content of endogenous sulfhydryl compounds as the mechanism of radio-protective action, 21:18076

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TARASENKO, A. S. Interference experiment and the photon statistics for the synchrotron radiation from electrons in the storage device, 24:49637

Research on 100-MeV electron storage ring of Technical Physics Institute of Ukrainian Academy of Sciences, 25:12307 (KHFTI-69-27)

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TARASENKO, N. Y. Use of barrier cream for work with radioactive substances, 23:14225

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  - Three photon decay of neutral pions, 21:21174
- TARASOV, B. I. Magnetic characteristics of deflecting magnet and quadrupole lenses for beam forming in the proton synchrotron, 23:32864 (IFVE-OP-68-62)
- TARASOV, E. K. Design study for ITEP proton synchrotron reconstruction, 22:32333 (CEAL-2000, pp A88-90)
  - Momentum vector in a magnetic track spectrometer, 25:8561
- TARASOV, G. P. Experimental determination of time-dependent correlation component for the envelope intensity of betatron bremsstrahlung, 23:30865
  - Investigation of transmission and absorption of bremsstrahlung radiation in alkali-halide crystals, 25:52892
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- TARASOV, L. S. Evolution model of the formation of ore lead isotopic composition, 21:43052
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  - Effects of alloying on the character of the interatomic reactions in niobium solid solutions, 21:14842
  - Vibrations of Sn atoms in V—Sn and Ti—Sn alloys, 25:38597
- TARASOV, N. F. Technetium-99m scanning of thyroid gland, 23:43817
- TARASOV, S. I. Aerogenic introduction of ^{239}Pu into the human body, 22:40721
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  - Study of uptake of air-borne ^{239}Pu by human organism, 24:12064 (AEC-tr-7128, pp 235-45)
- TARASOV, V. A. Cytogenetic damages by γ rays in Chinese hamster cells, 25:44788
  - Cytogenetic effects of fractionated x-ray on human fibroblasts, 23:45701
  - Cytological effect of laser radiation in Allium fistulosum L. Sprouts, 24:34263
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- TARASOV, V. D. Enthalpy and heat capacity of ZrO$_2$ from 1100 to 2500°K, 21:31096
  - Enthalpy and specific heat of the 80 percent W—20 percent Mo alloy at high temperatures, 25:13665
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- TARASOV, V. I. Interaction of metallic uranium with hydrogen, 21:41581 (LA-tr-67-67)
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- TARASOV, V. M. Technique of scannogram contrasting of the computer "URAL-3", 23:9810
- TARASOV, V. P. Aqua complexes of cations, 23:43303
- TARASOV, V. V. Angular and energy distribution of fast neutrons in water, Li, and W hydrides, and boron carbide, 23:46535
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- TARASOV, Yu. A. Asymptotic behavior of Green functions in quantum field theory, 21:21298
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- TARASOVA, L. A. Phase transformation of titanium and zirconium in shock waves, 24:44725
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- TARASOVA, T. B. Finishing of crude pyrochlore concentrates, 25:54741
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  - Prog. rpt. on biological sciences, annual, 1965, 21:14523 (BNWL-280)
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  - Prog. rpt. on biological sciences, annual, 5/68, 23:6433 (BNWL-714)
  - Prog. rpt. on biological sciences, annual, 1968, 24:34179 (BNWL-1050(Pt.1))
  - Prog. rpt. on biological sciences, annual, 1969, 24:50674 (BNWL-1306(Pt.1))
  - Strontium and calcium excretion in the rat, 21:14539 (BNWL-280, pp 28-31)
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  - Kinetics of hydrogen and deuterium atom abstraction by methyl radicals from hydrazines and substituted hydrazines, 21:4500
- THYRION, F. C. Radiolysis of ethyl iodide and carbon tetrachloride mixtures at 77°K, 22:33427
- THYRION, Fernand EPR study of radicals formed by ionizing radiations in some hydrocarbons, 22:27816
- THYS, Thierry Investment casting, 23:33939
- THYS, W. Apparatus to determine the effects of alpha irradiation at liquid helium temperature, 22:46093
- TI, Kao Degenerate unitary representation of SU(2,2) group and elementary particle symmetries, 22:7533
  - "Unique propagator" for mesons with spin 2,1, and 0 in symmetry theories, 21:2488
- TIA, Shu-yun Problems of purification of heavy water by ion exchange, 22:20827 (ZFK-RN-31, pp 98-109)
- TIAINEN, O. J. A. Radiation damage in selenium single crystals, 24:8526
  - Radiation resistance of CdSe thin-film transistors, 24:44381
  - Radiation resistance of microelectronic systems, 25:39789
  - Use of nuclear polarization in neutron scattering and transmission measurements, 25:12533 (TKK-F-A-123)
- TIAINEN, P. O. Dependence of decametric radio emission from Jupiter on the positions of the first two Galilean satellites, 22:871
- TIAINEN, Pentti O. Dependence of Jovian decametric radio emission upon positions of first three Galilean satellites of the planet, 22:36605
- TIBALDI, E. Ecological study of periphyton and identification of environmental radioactivity in a running-water ecosystem, 25:29478

- TIBALDI, Ettore Transfer of some radionuclides traversing the links of a river food chain, 24:4591
- TIBAUD, C. Monitoring and radiation protection during disassembly, 22:7896 (INT/SPR-65-699)
- TIBBALS, Edward Camp Jr. Gamma ray laser having a low temperature closed resonating cavity, 25:23744
- TIBBALS, H. F. Higher order ion—molecule reactions. I, 23:47483
- TIBBETTS, R. L. Fast starting diesel generators for nuclear plant protection, 23:31171 (CONF-690113-7)
- TIBBS, C. E. Radiation safeguards for microwave ovens, 24:2673
- TIBEL, G. Magnet-spark-chamber system, 25:17619
- TIBELL, G. 185-MeV proton scattering from ^{6}Li, 25:7811
  - Analysis of inelastic proton scattering data, 23:28345
  - Deuteron vector polarization in (p,d) reactions at 185 MeV, 22:50548
  - Excited levels of ^{28}Si investigated by inelastic scattering of 185-MeV protons, 21:42583
  - Excited states of ^{40}Ca, 25:28255
  - Inelastic scattering of 185 MeV protons from ^{11}B, ^{12}C, and ^{16}O, 24:22083
  - Inelastic scattering of 185-MeV protons from Mg and Al, 21:4261
  - Nitrogen determination in seeds by direct nuclear reactions, 23:31306
  - Proton polarization in scattering at 185 MeV from individual states of ^{24}Mg, 23:1838
  - Reactions (p,2p) at 600 MeV, 24:52439
  - Structure of ^{7}Li and ^{12}C studies by inelastic scattering of 185-MeV protons, 22:20467
- TIBENSKY, V. Exchange of Ca, Sr, and Ba ions on pectin, 25:23587
- TIBERGHIEN, Raphael Description of "Sandstone oven" for irradiation of samples in a reactor and measurement of their electrical resistance, 25:21232 (IEA-212)
- TIBERINI, A. Dynamic studies of gas turbine fast reactors, 25:20765
- TIBERIO, P. Digital multipliers for correlation measurements, 22:49167
- TIBERIO, Ugo Influence of pairing in electron—ion gas on ionospheric amplitude—amplitude intermoldulation, 22:9213
- TIBILOV, A. S. Population of excited states in ion—ion recombination reaction, 24:23773
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- TICE, Russell Cyclotron resonance in gases. I, 21:37134
  - Cyclotron resonance in gases. II, 21:37139
- TICER, James W. Radiation-induced cellular changes in traumatic spinal cord injury, 23:47958
- TICER, James Winford Radiation-induced cellular changes in traumatically injured rat spinal cord, 22:40926
- TICHA, M. Studies on phytohemagglutinins. II, 24:613
- TICHELER, J. Application of the sterile-male technique on the onion-fly, 24:32330
- TICHENOR, D. A. String analysis by simple precedence parsers, 24:53067 (SCL-DR-70-237)
- TICHIN, V. G. Beam regulation in a 100-MeV linear accelerator, 25:9914 (NP-tr-1926)
- TICHLER, J. W. Corrosion and fretting corrosion in sodium, 23:45997 (ANL-7520(Pt.1), pp 153-62)
- TICHLER, P. Experimental studies on high-gravity rotating fluidized beds, 21:22089 (BNL-50013)
- TICHLER, P. R. Heat exchanger tube vibration and repair in the high flux beam reactor, 21:38658 (BNL-11585)
- TICHLER, Paul Investigation and repair of baffle plate damage in the HFBR primary heat exchangers, 25:37055 (BNL-15815)
  - Investigation committee report of nitrate resin bed accident at Brookhaven HFBR, 22:32962 (BNL-12460)
- TICHLER, Paul R. Evaluation of HFBR emergency cooling system, 22:32963 (BNL-12476)
  - Heat-exchanger tube vibration and repair in the HFBR, 21:35732
- TICHMANN, K. Influence of relaxation effects on spectroscopic temperature measurements of a stationary hydrogen arc in an axial magnetic field, 23:6977 (IPP-3/77)
- TICHO, H. K/sub L/—K/sub S/ regeneration in copper, 22:50303
  - Observation of time-dependent K/sub S/ and K/sub L/ interference in the $\pi^+\pi^-$ decay channel from an initial K_0 state, 22:44310
  - Phase difference between K/sub L/ and K/sub S/ decay, 23:23344
- TICHO, H. K. Evidence for a broad scalar $K\pi$ resonance near 1.1 GeV, 23:7097
  - K^+p elastic scattering at 7.3 GeV/c, 23:21059
  - Multi-peripheralism in $K^+p \rightarrow$ anti Λpp and $K^+p \rightarrow \Lambda K^+K^+$ at 7.3 GeV/c, 25:25336
  - Production (anti Λ) in 7.3 GeV/c K^+p interactions, 21:46483
  - Reaction $K^-p \rightarrow K^-p\pi^+\pi^-$ at 2.0 GeV/c, 21:15268
  - Regge pole exchange analysis of $K^+p \rightarrow K^{*0}\pi^+p$ at 7.3 GeV/c, 23:36939
  - Spin and parity of the T = 1/2 $K\pi\pi$ system near 1.3 GeV, 23:5535
- TICHO, Harold K. Design and construction of 1.2—1.9 BeV/c, separated K^- meson beam, 21:4151 (UCRL-17018)
  - Isobar production in $p + p \rightarrow p + p + \pi^+ + \pi^-$ at 6.6 Gev/c, 21:874
- TICHONOV, P. A. Rare earth elements in ternary solid solutions based on zirconia, 25:32827
- TICHY, J. Diffraction of neutrons on a vibrating quartz crystal, 22:48434
  - Electron-microscope picture of mitochondria of rat liver after whole body irradiation by 1400 r, 21:34772
  - Modulation of a monoenergetic neutron beam diffracted by a vibrating quartz single crystal, 23:18738
- TICHY, Jiri Electron microscopy of liver mitochondria isolated from x-irradiated rats, 24:31852
  - Thermodynamics of the UO/sub 2+x/ phase. I, 24:51215
- TICHY, M. Changes in major mineral components in radiation sickness, 23:33634
  - Electronic method for direct display of electron energy distributions in plasma, 25:52787
  - Time-resolved measurements of energy distribution in unstable plasma. II, 25:14247
- TICHY, R. Dynamic polarization of protons in irradiated polymers, 22:3601
  - Polarized proton target, 24:45712
- TICKLE, H. Effects of neutron irradiation on the creep-rupture properties of type 316 stainless-steel tubes, 23:36074 (TRG-Report-1789)
- TICKLE, R. Two-proton multiplets in ^{210}Po, 25:53759
- TICKLE, Robert Levels of ^{209}Bi observed in ^{208}Pb(^{3}He,d) reaction, 22:42034
  - Nuclear structure of ^{205}Pb from the (d,t) reaction, 23:31018
  - Structure of ^{206}Pb determined by (d,t) reaction, 22:16020
  - Structure of ^{209}Pb determined by the (d,p) reaction, 21:44701
  - Structure of odd-A indium isotopes determined by the (d,^{3}He) reaction, 25:34099
- TICKNER, A. W. Mass spectrometry of ions in glow discharges: application to H_2—D_2 exchange reactions, 21:3068
- TIDBALL, R. A. High-temperature desalination plants for nuclear-power stations, 23:49637
- TIDMAN, D. A. Earth's bow shock wave, 21:23119
  - Electron distribution in an electrostatic shock, 22:36925
  - Emission of plasma waves by the Earth's bow shock, 22:17464
  - Line splitting of plasma radiation and solar radio outbursts, 21:577
  - Oblique shocks in finite-beta plasmas, 24:42694
  - Plasma mechanisms for solar radio bursts, 22:38650 (N-68-14809)
  - Possible observations of collisionless electrostatic shocks in laser-produced plasmas, 21:18753
  - Shock waves in collisionless plasma, 23:51652
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- TIDMAN, Derek A. Ballistic wake of turbulence in a plasma shock wave, 23:23129
  - Conference on plasma instabilities in astrophysics, Pacific Grove, Calif., 10/68, 23:51156
  - Magnetic field fluctuations near the Moon, 24:6319
- TIDRICK, G. A. Corrugated-bellows vacuum chamber for fast-cycling synchrotrons, 23:28171
  - Elliptical vacuum chamber stress and deflections, 23:28172
- TIDWELL, E. D. Spectroscopic temperature measurements in a low-pressure magnetically confined argon plasma, 21:37423
- TIDWELL, Eugene D. Transition probabilities of argon II, 24:25975 (AD-700979)
- TIDWELL, Thomas T. Deuterium exchange of bicyclo[2.2.1]heptanones, 24:18970
- TIEBOR, John E. Beta-ray measuring probe, 24:7605
  - Self-stabilizing portable probe, 24:7603
- TIECKE, H. J. G. M. Interactions π^-p at 720 MeV, 22:15687
  - Observation of two Ξ^-p elastic-scattering events, 24:45421
- TIEDEMAN, G. T. Electron spin resonance investigation of the reactions of hydrogen and deuterium atoms in alkylstyrene polymers, 21:40845
  - Oxidation experiments on organic reactor coolant, 22:35769 (AI-AEC-Memo-12688)
- TIEDEMANN, P. Photochemical investigation on ammonia and azide with the help of radiation gas chromatography, 23:26217 (JUL-550-PC)
- TIEFENBACH, B. Neutron activation determination of trace mercury in Canadian foods, 22:30502
  - Neutron activation typing of seizure heroin capsules, 22:30446
- TIELSCH-CASSEL, E. Space—time detector for cosmic ray showers, 25:2490
- TIELSCH-CASSEL, Edith Alpha-decay studies of polonium isotopes in the mass range 199 to 208, 21:33980
- TIEMAN, Jeannine Radiopharmaceutical dosimetry in pediatrics, 22:33826
- TIEMANN, W. Changes in the course of radioinduced mitotic inhibition by the addition of nicotinic acid derivatives, 23:10012
- TIEMANN, Wilram Radioinduced inhibition of mitosis in Ehrlich ascites tumor cells, 23:38771
- TIEMBLO, A. Current-algebra calculation of the charged radiative eta-decays, 21:40170
  - Multilinear couplings in the eight-fold way, 22:17986
  - Radiative decays of mesons in a quark loop model, 25:14686
  - Three-body decays of vector mesons in a quark model, 25:53158
- TIEN, C. L. Determination of temperature distributions in high-temperature gases by the two-seeding method, 22:24270
  - Motion of rotating superfluid helium in an annular channel, 22:9258
  - Performance of small Ti—Nb solenoids, 24:5119
- TIEN, Chen-ming Use of radioisotope ^{90}Sr in otorhinolaryngology, 21:10983
- TIEN, J. K. Effect of orientation and sense of applied uniaxial stress on the morphology of coherent gamma prime precipitates in stress annealed nickel-base superalloy crystals, 25:24601
- T'IEN, Kuo-hsing Separation of U and V and their determination in phosphate rocks, 23:15798
- TIEN, R. H. Incomplete pore diffusion effect on internal burning of carbon, 25:32817
- TIEN, T. Y. Dielectric properties of strontium titanate solid solutions containing niobia, 21:41676
  - Microhardness of TiO_2—Nb_2O_5 solid solutions, 23:48535
  - Solid solutions in the system $SrTiO_3$—(La_2O_3:3TiO_2), 21:26917
- TIENGO, A. Insulin radioimmunoassay, 24:23061
- TIENHAARA, M. I. New approach to calculations of nuclear moments of inertia, 23:9042
- TIERNAN, T. O. Abundance of excited O^+ ions produced by electron impact on O_2, CO_2, N_2O, NO_2, and H_2O, 25:58763
  - Improvement of spectral baseline stability for a time-of-flight mass spectrometer operated at elevated pressures, 23:17842
  - Ion-polar-molecule reactions: energy dependency of hydrogen atom and ion transfer in the methanol—acetaldehyde system, 24:36221
  - Proton-transfer reactions in simple alkanes, 24:33695
- TIERNAN, Thomas O. Collision-induced dissociation of NO^+ and O_2^+ at low kinetic energies: effects of internal ionic excitation, 24:49017
  - Ion—molecule reactions, 23:13756
  - Ionic reactions in ethyl chloride, 23:47550
  - Ionic reactions of unsaturated compounds. I, 22:10239
  - Modification of a time-of-flight mass spectrometer for investigation of ion—molecule reactions at elevated pressures, 22:19217
  - Reaction of D_2^+ with cyclohexane, 22:18745
- TIERNEY, M. P. Conventional excavation by hydraulicking methods for the interoceanic canal, 23:43434 (HN-20-205)
- TIERNEY, Martin S. Resonance radiation in artificial strontium and barium clouds, 24:22531 (LA-4313)
- TIETGE, J. Multipole analysis for the reactions $\gamma p \rightarrow K^+\Lambda$ and $\gamma p \rightarrow K^+\Sigma^0$, 25:9728
  - Photoproduction of $K^+\Lambda$ and $K^+\Sigma^0$ in H, 25:17361
- TIETJEN, G. L. Lifetime body weights and mortality distributions with ancestral x-ray exposure, 24:29876
  - Study of the variations found in plutonium urinary data, 24:564
- TIETJEN, J. J. New high-gain dynode for photomultipliers, 23:11919
- TIETJEN, John H. Effects of environmental stress on community structure, productivity, energy flow, and mineral cycling in salt marsh epiphytic communities, 25:37753 (NYO-3995-18)
- TIETSCH, R. A. A zero-crossing pulse shape discriminator for space applications, 21:32438
- TIETZ, T. Approximations to one-electron wave functions, 21:37122
  - Contribution to Thomas—Fermi theory, 23:5253
  - Detachment from the negative hydrogen ion by electron impact, 23:46273
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  - High-energy collision theory, 22:22479
  - New WKB approximate solution of the radical Schroedinger equation finite at turning points, 21:18866
  - Quantum and correlation corrections to Thomas—Fermi potential, 24:19770
  - Scattering of a particle by a modified Coulomb field, 21:44313
  - Simple analytical eigenfunctions of electrons in Thomas—Fermi atoms, 22:36749
- TIETZ, T. E. Mechanical properties and structure of internally oxidized Nb—1 percent Zr alloy, 23:33974
  - Strengthening of Nb—Zr alloys, 23:29992
- TIETZ, W. J. Effects of x-irradiation on the implanting canine embryo, 24:46670
- TIETZ, William J. Radiation-induced cellular changes in traumatic spinal cord injury, 23:47958
  - Radiosensitivity of the developing beagle, 24:23327 (CONF-690501-, pp 395-406)
- TIETZE, A. German surveillance programs for reactor pressure vessels; research on the neutron-embrittlement of advanced steels, 25:40068 (IAEA-117, Paper 4a)
  - Materials problems for reactor pressure vessels, 23:23901
  - Prog. rpt. on reactor safety, semiannual, 7—12/69, 25:26004 (IRS-F-4)
  - Prog. rpt. on research projects sponsored by Federal Ministry of Scientific Research and applicable to reactor safety aspect, 24:13524 (ORNL-tr-2244)
  - Protection of nuclear plants by double containments, 21:12170
  - Reliability study of pressure vessels, 24:29011
- TIETZE, Alfons Studies with a scintillation counter for detection of exoelectrons, 21:4711
- TIETZE, D. Control of field adjustment by means of exposure with the source of cobalt therapy unit, 21:14695
  - Dose distribution in kidneys and urinary tract after conventional and telecobalt irradiation, 25:52156
  - Examinations of urinary tract of patients after conventional and telecobalt irradiation, 25:52233
- TIETZE, K. Differential cross section of deuteron photodisintegration between 20 and 35 MeV, 25:31194
  - Flow system for continuous activation of gaseous or liquid samples, 25:17627
- TIFFANY, Burton Curium process development. III-5, 24:41088 (DP-1230)
- TIFFANY, Mary A. Halogen composition of aerosol particles, 24:106
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- TIFFT, Linda E. Hβ photometry of A-type stars near the North Galactic Pole, 25:43043
- TIFFT, William G. Correlation of optical abnormalities and small radio sources in galaxy nuclei, 25:7111
- TIFFT, William Grant Multicolor photoelectric photometry of bright galaxies. III, 23:51318
- TIFREA, Emilia Dash prominence, 22:31576
- TIGELAAR, H. L. Microwave detection of interstellar formamide, 25:55784
- TIGHE, L. E. On-line computer system for a mass spectrometer, 25:8571 (AAEC/TM-568)
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- TIGNER, M. Performance of the Cornell 10-GeV electron synchrotron, 23:27968

- TIGNER, Maury Accelerating system for the Cornell 10 GeV electron synchrotron, 21:38024
  - Bar loaded waveguide for accelerator service, 25:50334
  - Operation and improvement of Cornell 10 GeV Electron Synchrotron, 25:50518
- TIGYI, J. Effect of tritiated water on the excitation and on the ionic equilibrium of the striated muscle, 25:46994
  - Scintillations in living nerve induced by β-radiation of tritium, 21:12974
- TIIHONEN, J. Time-dependent neutron spectrum in zirconium hydride, 22:29879
- TIIT, V. M. Investigation of recording devices used for measuring uv radiation in the upper atmosphere and cosmic space, 21:39882
  - Two-beam vacuum monochromator DVM-1 with compensating recording system, 22:4507
- TIKHANINA, S. P. Amalgam method of separation of Sm from Fe, 25:6407
- TIKHANOV, E. K. Plasma heating and stability in a combined pinch, 25:38332 (CONF-710607-13)
- TIKHAYA, M. G. Body distribution of U in dogs long after inhalation of uranium oxide, 23:14118 (ORNL-tr-2035)
- TIKHINSKII, G. F. Aging of Be—Cr and Be—Zr alloys, 21:3497
  - Evaporation rate of beryllium during dissociation of cerium beryllide, 21:3499
  - High compression of beryllium crystals, 24:14772
  - Investigation of plastic deformation of beryllium single crystals subjected to compression, 21:13167
  - Physical science of Be metal, 23:5076
  - Plastic deformation of high-purity Be monocrystals at 4.2 to 300°K, 23:8173
  - Polygonization and crystal structure of beryllium, 24:48854
  - Properties of irradiated beryllium, 24:42171
  - Purification of beryllium by zone refining and by crystal pulling from the melt, 22:4758
  - Structure and mechanical properties of fire grain deformed beryllium, 24:44706
  - Twins of tetrahedral form in beryllium, 25:13718
- TIKHINS'KII, G. P. Solubility of cerium in beryllium, 21:1910
- TIKHOMIROV, F. A. Fission products migration in forest, 24:41788
  - Influence of radioactive contamination of the soil on pine and spruce seedings, 21:34817
  - Radionuclide migration in forests and radiation effects on woody plants, 25:52011 (A/CONF.49/P-685)
- TIKHOMIROV, G. D. Investigation of spin and parity of A$_2$ meson, 23:3650
  - Investigations of barium NKπ resonance with strangeness S = + I in the reaction $\pi^-p \rightarrow$ NKantiKπ with momentum of bombarding π^- mesons 3.25 GeV/c, 22:37079 (ITEF-584)
  - Quantum numbers of light and heavy A$_2^-$ meson decaying into π^- and rho^0 mesons, 24:51969
  - Search for baryon NKπ resonance with strangeness S = +1 in reaction $\pi^-p \rightarrow$ NKantiKπ at incident pion momentum 3.25 GeV/c, 22:48240
  - Spin and parity of the A$_2$ meson, 22:44411 (ITEF-557)
  - Study of two-pronged stars with electron—positron pairs for an incident π^- meson momentum of 2.8 GeV/c, 21:42263 (ITEF-470)
- TIKHOMIROV, I. A. Determination of the relative difference between the mobilities of isotopic lithium ions in an ion-exchange resin—solution system, 25:54730
  - Electron energy distribution in a torch discharge, 21:29217
  - Estimation of the single-stage isotope separation factor in the electromigration of isotopic ions through an ion-exchange membrane, 25:54729
  - Isotope effects in the electromigration of Sn(II) ions in molten SnCl$_2$, 24:9332
  - Isotopic separation of nitrogen during nitric oxide synthesis in high-frequency electrode-free discharge, 22:16657
  - Separation of binary mixture of isotopes in an ion exchange column with superimposed direct current electric field, 21:3147
- TIKHOMIROV, L. A. Kinetics of accumulation of free radicals in irradiated polyvinylchloride, 21:5938
  - Kinetics of methyl alcohol radiolysis at 77°K, 22:45131
  - Kinetics of radiolysis of isopropyl alcohol at 77°K, 23:40690
  - Radiolysis of solid solutions of cobalt chloride in methyl alcohol, 25:46516
- TIKHOMIROV, M. V. Dissociation of D$_2^+$ and H$_2^+$ ions in collisions with D$_2$, He, and Ne, 25:55858
  - Dissociation of H$_2^+$ ions in collisions with H and He, 25:40381
  - Influence of excitation of H$_2^+$ and D$_2^+$ on cross section for their dissociation in collisions with atoms and molecules, 25:7166
  - Ionic—molecular reaction involved in formation of D$_2$H$^+$, 24:17661
  - Ionic-molecular reactions of hydrogen with noble gases, 21:39799 (AD-653510)
- TIKHOMIROV, N. D. Gamma-spectrometric method in geological mapping and ore prospecting, 22:51117
- TIKHOMIROV, V. Salting out during extraction of thorium nitrate. II, 22:10329
- TIKHOMIROV, V. B. Mathematical model for radiation polymerization in preparing glued fibrous materials by irradiation, 22:23065
- TIKHOMIROV, V. I. Salting out during extraction of thorium nitrate. III, 22:10330
  - Salting out during extraction of thorium nitrate. I, 22:10334
- TIKHOMIROV, V. K. Determination of radioruthenium in environmental objects, 22:16420
  - Use of strongly basic anionite AV-17 for separation and purification of Th, 22:30687
- TIKHOMIROV, V. N. Role of plankton in behavior of ^{99}Tc and ^{54}Mn in seawater, 25:32329
  - State of microquantities of ^{95}Nb and ^{99}Tc in sea water, 24:14101
- TIKHOMIROV, V. P. Characteristics of natural radioactivity of leaves of trees and bushes growing in some botanical gardens of the European part of USSR, 21:22465
- TIKHOMIROV, V. S. Modification of filled vulcanized polyisoprene (SKI-3) rubber by radioinduced vinyl chloride grafting, 25:34627
  - Radiation-chemical grafting of vinyl chloride to polyethylene film, 23:26301
- TIKHOMIROVA, L. P. Dose—effect curves under UV irradiation of phage S/sub d/, 24:48517
  - Effects of UV-irradiation and hydroxylamine on extracellular bacteriophage, 24:48500
  - Influence of BUdR incorporation into S/sub d/ phage DNA on effects of uv-irradiation, 24:50848
  - Influence of chemicals on lethal and mutagenic effects of uv-light on extracellular bacteriophage C/sub d/, 25:37903
- TIKHOMIROVA, M. ATP as a prophylactic and therapeutic drug in radiation disease, 25:39882
- TIKHOMIROVA, M. M. After-effects of irradiation on nondisjunction of chromosomes, 22:31029
  - Genetical after-effects of x rays depending on the temperature regime, 21:32625
  - Nondisjunction of chromosomes produced by x rays, 22:31021
  - Radiosensitivity at different stages of oogenesis, 21:32756
- TIKHOMIROVA, M. V. Influence of the gamma-irradiation dose rate on the radioprotective effectiveness of beta-mercaptoethylamine hydrotartrate, 24:27612
  - Prevention of radiation damage during spaceflight, 25:16214 (JPRS-52121, pp 15-20)
  - Prevention of radiation damage in space flights, 25:21742
  - Radioprotective action of stellin, 22:25864
  - Radioprotective effects of β-mercaptoethylamine hydrotartrate, 24:17066
- TIKHOMOLOVA, M. P. Radiation effects and radiative grafting polymerization in fibers, 22:40128
- TIKHONCHUK, V. T. Temperature relaxation of plasma in hf electric and constant magnetic fields, 25:30545
- TIKHONIN, F. F. Baryon representations of Schwinger W(3) symmetry group, 23:51977 (IFVE-STF-69-12)
  - Effects of clashing μ-meson beams, 23:8786 (JINR-P2-4120)
  - Experimental possibility of revealing the reaction l$^+$ + l$^-$ $\rightarrow \tau$ + anti $\tau + \gamma$, 25:9627 (NP-18558)
  - Fermion scattering in chain approximation to V—A theory of weak interactions, 24:40338
  - Properties of total cross sections of inelastic Lepon—Hadron processes, 25:1468 (IFVE-STF-70-4)
- TIKHONOV, A. A. Plasticity and strength of nickel—molybdenum alloys at high temperature, 25:55474
- TIKHONOV, A. I. Excitation of the first levels in nuclei ^{58}Ni and ^{60}Ni, 25:25682
- TIKHONOV, A. N. Determination of photonuclear reaction cross sections, 25:59772
  - Effect of formation of electrically conducting gas layer in nonstationary processes of MHD, 22:9147
  - Excitation of waveguides. I, 24:11344 (BNL-tr-300)
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  - Plasma electron distribution function on basis of bremsstrahlung spectrum, 23:5390
  - Reconstruction of the radio-brightness distribution over a source, 24:12567
- TIKHONOV, B. A. Supersonic radial nozzles for MHD converters, 22:2884 (CEA-tr-R-1902)
- TIKHONOV, B. G. Measurement of fast-neutron spectra with threshold detectors, 25:57775
- TIKHONOV, G. M. Radioactive isotopes in railway transportation, 25:57672
- TIKHONOV, G. S. Separation of binary mixture of isotopes in an ion exchange column with superimposed direct current electric field, 21:3147
- TIKHONOV, I. V. Experimental preparation of information for the decentralized input into the international nuclear information system, 24:38650 (CONF-700206-6)
- TIKHONOV, K. A. Discrete frequency sweep in a synthesizer for nuclear magnetic resonance spectroscopy, 25:18848
- TIKHONOV, K. B. Radiation injuries of lungs, 24:51091
  - Standards of working loads for physicians of x-ray diagnostic rooms, 22:45510
- TIKHONOV, L. V. Changes in work-hardened surface layers of W, Nb, and Mo as result of annealing, 25:4797
- TIKHONOV, N. A. Decay of ^{139}Nd, 25:36724 (JINR-P6-5673)
  - Decays of Nd and Pr nuclides with mass number A = 138, 25:36725 (JINR-P6-5674)
- TIKHONOV, S. A. Uranium and Ra geochemistry in dern-podsolic soils of Belorussia, 21:10476
- TIKHONOV, V. B. Determination of magnetic Reynolds number and boundedness of one-dimensional approximation with respect to Re/sub m/ during flow of a conducting gas, 22:2891 (AD-655362, pp 15-19)
  - Electrode erosion of pulsed plasma accelerators. II, 22:50191
  - Electrode erosion of pulsed plasma accelerators. I, 22:50190
  - Gas flow with constant cross section in region m > 1, 21:9378
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  - Short summary of activities in electronics department prepared for IAEA panel on "instrumentation for nuclear power plant control" in Vienna 1969, 25:39146 (IAEA-119, 5p.)
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  - Occulation of a noise storm source during the partial solar eclipse of May 20, 1966, 22:888
  - Solar radio bursts in range 536 to 2000 Mc, 22:28982
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- TOACSAN, Mariana Characteristics of frittable uranium oxides. I, 24:48880
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  - Ionization measurements of bubble chamber tracks with the television measuring projector, 23:33511 (ANL-7515, pp 353-61)
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  - Sex-ratio in progeny from irradiated male Drosophila, 21:24395
- TOBARI, Yoshiko N. Sex ratio in progeny from irradiated males in Drosophila melanogaster, 22:15102
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- TOBE, Tatsuo Absolute measurement of gamma ray dose of ^{60}Co, 23:705
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  - Radiosensitizing action of Ametohepazon on the irradiated tumor tissues. I, 23:16336
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- TOBE, Tatuo Conference of Japan Radiological Society, Tottori, Japan, 4/68, 23:45799
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  - Proteins synthesis in x-irradiated mammalian cells, 23:16234
  - Radiosensitivity of mammalian cells. IV. Effects of x-irradiation on the DNA synthetic period in synchronized cells, 24:39575
  - Retention of functional coding properties by polyribosomes in the x-irradiated mammalian cell, 24:50744
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  - Fluctuations of energy loss by heavy charged particles in thin absorbers, 21:13351 (UCRL-16898, pp 82-6)
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  - Neutron fluence limit determinations for some FFTF components, 25:44167
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  - Growth of transition metal carbide single crystals by recrystallization. I, 25:29926
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  - Inelastic electron scattering from ^{24}Mg at 180°, 22:41983
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- TOBISCH, J. Automatically controlled neutron diffraction goniometer, 25:4394
  - Structure investigations of two U nitrides U_2N/sub 3 + x/, 21:28849
- TOBISCH, Joachim Formation of fiber textures in polycrystalline zirconium, 25:22106
- TOBOCMAN, W. Addendum to three-particle channels in nuclear reaction theory, 24:15969
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TOBY, F. L. Superconducting pulsed synchrotron dipole and dc beam transport magnets, 25:33907 (UCRL-20188)

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TOCHIYAMA, Osamu Solvent extraction of alkali metal ions with chromium complexes, 22:35913

TOCI, F. Thermogravimetric analysis (TGA) of the uranium oxide carboreduction, 25:34556 (EUR-4635)

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TODD, H. H. Surface ion source phenomena and technology. II, 21:9349

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TODD, J. H. Gamma rays from bombardment of ^{7}Li, Be, ^{11}B, C, O, Mg, Al, Co, Fe, and Bi by 16- to 160-MeV protons and 59-MeV alpha particles, 22:5763 (ORNL-4183)

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TODD, L. Effects of wall conductivity in MHD duct flow at high Hartmann numbers, 25:24952

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TODD, Paul Cellular and mammalian radiation effects and their interpretation in relation to manned space flight, 21:6659

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TODD, R. J. Microwave-induced quantum voltages across Josephson tunnel junctions, 25:41636 (COO-1054-54)

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TODORAN, I. Apsidal rotation in eclipsing system XZ Andromedae, 22:15278

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TODORIKI, I. Stability of hard superconductors in changing magnetic field plus superimposed direct magnetic field, 25:45407

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TODOROFF, John Andrew Measurement of two-photon decay of K/sub L/^{0} meson, 21:46465 (COO-1195-100)

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- TOWNS, R. L. Techniques and apparatus for inspection, handling, and annealing highly radioactive fuel microspheres, 23:21926 (ORNL-TM-2495)
  - Techniques and apparatus for inspection, handling, and annealing highly radioactive fuel microspheres, 24:16738 (CONF-690910-, pp 420-34)
- TOWNSEND, A. B. Homogenization evaluation of a cast uranium—molybdenum alloy, 23:51009 (Y-1696)
- TOWNSEND, A. L. Effects of radiation on stored fascia lata for ophthalmic surgery, 24:32334
- TOWNSEND, D. W. Positive pion—proton elastic scattering at 895, 945, 995, and 1040 MeV/c, 24:49341
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  - Internal friction peaks in deuteron-irradiated tungsten, 21:4985
  - Stress-induced ordering of point defects in Cu near 10°K, 23:8669
- TOWNSEND, John R. Prog. rpt. on radiation induced defects in metals, annual, 11/6/66—11/3/67, 22:2666 (NYO-3653-2)
  - Prog. rpt. on radiation induced defects in metals, 11/3/67—11/15/68, 23:10237 (NYO-3653-3)
  - Prog. rpt. on radiation induced defects in metals, annual, 12/69—11/70, 25:29903 (NYO-3653-5)
- TOWNSEND, L. J. Parallel processing pattern recognition system UCPR1, 21:28232
- TOWNSEND, P. D. Conference on atomic collision phenomena in solids, Brighton, Eng., 9/69, 24:42507
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  - Prog. rpt. on operation of MHD power generator, semiannual, 6/1—12/1/66, 21:43852 (N-67-25942)
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  - Coolant blowdown studies of a reactor simulator vessel containing a simulated reactor core, 25:44133 (BNWL-1524)
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  - Relationship between the critical temperature and normal-state magnetic properties of a superconductor containing magnetic impurities, 22:48058
  - Superconductivity of lanthanum intermetallic compounds with Cu_3Au structure, 22:24223
- TOY, A. Crossplied filamentary metal—matrix composites, 23:48554
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  - Corrosion testing of materials in liquid propellant systems, 25:16413
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  - Reduced mortality from secondary disease after exposure to hypoxia, 23:47992
  - Secondary disease mortality in rat-mouse radiation chimeras, 25:8619
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  - Marketing and manufacturing nuclear fuel, 24:44768
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- TOYODA, K. Scattering diagnostics of plasma by CO_2 laser, 25:52792
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  New approach to SU(2) x SU(2) symmetry of Kepler motion, 22:1461
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Application of photoinduced reactions to nuclear materials safeguards problems. Quarterly progress report, January 1, 1971—March 31, 1971, 25:48879 (GULF-RT-10697)
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TROYON, Francis Stability of a dense plasma confined by a rotating magnetic field, 22:9401
TROYSI, Mirella Crystallography of uranyl deithyldithiocarbomate. IV, 23:4618
Crystallography of uranyl diethyldithiocarbamate. III, 21:40835
TROZERA, T. Prog. rpt. on mechanical properties of reactor materials, final, 11/1/65—5/12/67, 22:17103 (GA-7978)
TROZERA, T. A. Effect of substructure on biaxial strength and irradiation stability of ASTM A302 grade B steel, 23:12374 (GA-8629)
Effect of substructure on irradiation stability of ASTM A302 grade B steel, 21:28797 (GA-7895)
Effect of substructure on irradiation stability of steel, 22:19584 (GA-8064)
Effect of substructure on the irradiation stability of ASTM A302 Grade B steel, 22:19576 (BNWL-455, Paper 6.1-9)
Prog. rpt. on effect of substructure on irradiation stability of ASTM A302 grade B steel, 7/66, 21:4977 (EURAEC-1696)
Prog. rpt. on effect of substructure on irradiation stability of ASTM A302 grade B steel, 10/18/66, 21:14858 (GA-7463)
Prog. rpt. on effect of substructure on irradiation stability of ASTM A302 grade B steel, 1/67, 21:18300 (GA-7618)
Prog. rpt. on mechanical properties of reactor materials, 2—4/66, 21:479 (GA-7233)
Prog. rpt. on mechanical properties of reactor materials, 5-7/66, 21:6837 (GA-7436)
Prog. rpt. on mechanical properties of reactor materials, 8—10/66, 21:28796 (GA-7661)
Prog. rpt. on research on mechanical metallurgy as related to fuel-element fabrication, 6/60, 23:20498 (GA-1701)
TRUANT, P. T. Generation of electron currents by gamma-rays, 23:16076 (AECL-3224)
TRUAX, D. R. Derivation of necessary conditions on Hartree—Fock orbitals, 24:42538
TRUBACHEVA, G. A. Extraction of Be by organic solvents, 23:43389
TRUBATCH, J. Current commutation relations for interacting fields, 23:21151
Stress-tensor commutation relations, 24:37923
TRUBATCH, S. L. Diagonalization and renormalization of one-boson Lee model, 24:22005
Generalized finite-matrix Hamiltonians, 25:20066
Resolution of the runaway problem for the polaron, 23:3798
TRUBATCH, Sheldon L. Separable potential Hamiltonians and interaction of light with matter, 22:52905
TRUBCHANINOV, F. M. Effect of density and aggregate state of target on the charge composition of Li, Na, and K ions, 21:26985
TRUBCHANINOV, S. A. Adiabaticity of the motion of plasma bursts in longitudinal magnetic fields, 21:15135
Development of instability in a plasmoid upon injection in an axially symmetric magnetic field, 21:3900
Rotation and instability in plasma jet impinging on a magnetic field, 24:10530
TRUBETSKOI, A. I. Multichannel shaper for molecular beams, 22:7142
TRUBEY, D. K. 1969 RSIC computer-based information retrieval system in brief, 24:6573 (ORNL-TM-2719)
Bibliography on reactor and weapon radiation shielding, 23:20975 (ORNL-RSIC-5(Vol.2))
Bibliography on Soviet radiation shielding work, 22:50806 (ORNL-RSIC-23)
Bibliography, subject index, and author index of literature examined by Radiation Shielding Information Center, 21:7301 (ORNL-RSIC-5(Rev.1))
Calculation of the components of the exposure in a basement due to fallout, 21:36316
Comparison of three methods used to calculate gamma-ray transport in iron, 23:12946 (AERE-R-773(Vol.2), pp 341-69)
Computer codes for shielding calculations, 1969, 24:21845
Computer codes for shielding calculations: 1970, 25:3179
Conference on radiation transport and biological effects, ANS, Pittsburgh, Pa., 11/66, 21:32730 (ANS-SD-4)
Dose rates in a slab phantom from monoenergetic gamma rays, 23:33706 (ORNL-TM-2574)
Dose rates in a slab phantom from monoenergetic gamma rays, 24:41891
Energy and dose buildup factors for various concretes, 22:9411
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Kernel methods for radiation shielding calculations, 24:6585
Kernel methods for radiation shielding calculations, 25:3178
Kernel methods for radiation shielding calculations, 25:33361 (ANS-SD-11, Paper 7)
Multigroup nuclear cross section preparation, 24:15872 (ORNL-RSIC-27)
OGRE cross section package for using photon interaction data in ENDF/B format, 24:3441 (ORNL-TM-2757)
Radiation Shielding Information Center computer codes collection, 1963—1967, 21:40050 (ORNL-TM-1956)
Radiation Shielding Information Center, 23:39524
Review of discrete ordinates S/sub n/ method for radiation transport calculations, 22:22524 (ORNL-RSIC-19)
Use of ICRU-defined quantities and units in shielding, 22:52840 (ORNL-RSIC-16)
TRUBEY, David K. Weapons radiation shielding handbook. III, 22:32424 (DASA-1892-3)
TRUBITSYN, A. V. Behavior of superconductive thin-film bridges in SHF fields, 25:43298
TRUBITSYN, A. Ya. Enthalpy and heat capacity of EuB_6, NdB_6, and SmB_6, 25:42961
TRUBITSYN, V. P. Phase diagrams of hydrogen and helium, 25:58675
TRUBNIKOV, A. S. Critical currents in electron beams with compensated space charge, 25:33921
Drift-beam instability and ion sound in an inhomogeneous plasma, 25:30506 (MATT-Trans-84)
Electron-ion beam instability, 25:30505 (MATT-Trans-83)
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Radiosynthesis of prussic acid by irradiation of nitrogen and hydrocarbon mixtures by accelerated electrons, 21:106
TRUBNIKOV, V. R. Preliminary processing of amplitude spectra using Minsk-2 computer and oscillograph with a light pencil, 22:33701
TRUBOWITZ, Sidney Effect of x rays on human sternal marrow circulation, 21:11080
TRUBY, F. K. Temperature dependence of electron attachment in I_2 vapor, 24:8351
TRUCCO, E. Theory of radiation injury and recovery in self-renewing cell populations, 21:14740
TRUCCO, R. Experiments on application of laser sampling to emission, spectroscopy; determination of elements, effects of material structure, 22:1984
Laser microprobe for spectrographic analysis, 22:23363
Laser microprobe sampling for qualitative analysis, 22:35759
Matrix effect in laser sampled spectrochemical analysis, 22:47081
Reactor chemistry: analytical work, 24:2092 (CISE-R-151)
TRUCCO, Renato Reactor chemistry: analytical work, 24:2091 (CISE-R-135)
TRUCHGORZH, Z. Fast reactors in Czechoslovak nuclear power engineering, 23:52307 (JPRS-48330, pp 12-17)
TRUCHLY, Jan Dispersion of the precipitate in low-alloy U—Al—Fe and U—Al—Fe—Si alloys, 23:27117
Morphology and dispersion of fine precipitates in low alloyed U—Al and U—Si alloys, 23:6675
TRUCKENBRODT, Wilfried Dose measurements at x-ray unit, 22:23531
Mitosis in cleavage and germ disc stages of termite eggs after x radiation, 23:20330
TRUDEAU, F. Triplet—odd nucleon—nucleon interaction and spin—orbit splitting, 23:19346
TRUDEAU, L. P. Some effects of neutron irradiation on maraging steel, 22:718
TRUDEAU, Walter L. Studies with antibodies in gastrin, 24:34150
TRUDEL, Gerald J. Miniaturized stress relaxation apparatus for use in radiation fields, 23:31586
TRUDEL, M. Beta—gamma angular correlations and shape-factor measurements in ^{186}Re and ^{188}Re, 24:24590
TRUDO, R. A. Floating point package for mini-computers, 25:26124 (SC-RR-710125)
TRUE, Charles Craniocerebral trauma induced by laser radiation, 21:28664
Laser radiation: acute effects on cerebral cortex, 21:20346
Laser radiation. II, 22:570
TRUE, Robert M. Investigation of plasma generators for microwave devices, 21:7274 (AD-636956)
Microwave nonlinear properties of Langmuir probe, 24:6522
TRUE, William W. Core-plus-particle model and the low-lying levels of ^{53}Cr, 25:12494
Hartree—Fock descriptions of excited states in ^{16}O, 24:10926
Negative-parity states in ^{208}Pb, 25:43926
Nuclear isospin. Proceedings of the conference, Asilomar—Pacific Grove, California, March 13—15, 1969, 25:28455
Prog. rpt. on experimental nuclear physics, 21:46725 (UCD-CNL-88)
Prog. rpt. on nuclear physics, annual, 8/69—7/70, 25:25629 (UCD-CNL-125)
Prog. rpt., on nuclear physics, annual, 8/65 - 8/66, 21:10008 (UCD-CNL-67)
Shell-model theory of ^{206}Pb. II, 22:27110
Spin assignments of ^{12}B 0.95-, 1.67-, and 2.62-MeV levels, 22:20490
TRUEB, Lucien F. Microstructural effects of heat treatment on the bond interface of explosively welded metals, 25:16529
TRUEBA, P. Meteorologic station of JEN. I, 24:50468
Meteorological station at JEN for the study of atmospheric diffusion. II, 24:27246
TRUEBENBACHER, E. Nucleon—nucleon S scattering with help of one-boson exchange potential, 25:14739
TRUEBLOOD, D. L. Color centers in electron-irradiated MgO, 25:25222
Electron paramagnetic resonance in electron-irradiated germanium, 21:40068
TRUEBLOOD, Donald Lloyd EPR in electron irradiated Ge, 21:18828
TRUEBLOOD, H. Ward Oophoropexy: a means of preserving ovarian function following pelvic megavoltage radiotherapy for Hodgkin's disease, 24:34363
Preservation of ovarian function in pelvic radiation for Hodgkin's disease, 24:32262

- TRUEBLOOD, J. H. Directional correlation and intensity studies of electromagnetic transitions in ^{181}Ta, 25:3647 (COO-1746-46)
  - Electromagnetic transitions in ^{181}Ta, 25:39002
  - Penetration effects in ^{133}Cs, 25:46026
- TRUELLE, M. A. Problems of hygiene at radiological centers in South Bohemia, 23:38598
  - Suitable screens in dental roentgenography, 21:24443
- TRUELOVE, J. P. Calandria and neutron shields, 21:38614
- TRUELOVE, J. S. Analysis of (d,p) reactions, 22:27273
  - Analysis of the ^{40}Ca(d,p)^{41}Ca reaction, 21:46705
  - Comment on spectroscopic factors, 22:27272
  - Deuteron stripping theory, 22:20725
  - New approximation to the Bethe—Goldstone wave function, 24:43543
  - Polarization in (d,p) stripping reactions, 21:34042
  - Solution of the Bethe—Goldstone equation in a shell model basis, 25:1774
  - Wave functions for nuclear-structure calculations, 24:13426
- TRUEMAN, T. L. Enhancement of acausal effects by multiple scattering, 25:17596
  - Fixed poles in high-energy Compton scattering, electroproduction, and the vector-dominance models, 24:45456
  - Kinematic singularities and constraints of helicity amplitudes, 22:50473
  - Kinematic structure of vertex functions, 23:42774
  - Spin dependence of high-energy scattering amplitudes. I, 21:42472
  - Spin dependence of high-energy scattering amplitudes. II, 21:42473
  - Superconvergence relations for arbitrary spin, 21:4128
- TRUEMPER, F. Landing and roll-out-aid-using γ-ray techniques, 25:465
- TRUEMPER, J. Electron density fluctuations in air shower cores, 24:6682
  - Extensive air showers (experiment), 25:4985
  - Extensive air showers, 25:9253 (MPI-PAE/EXTRATERR-47)
  - Hadron interactions at very high energies, 25:36395
  - Optical and x-ray synchrotron radiation from the Crab pulsar, 24:44889
  - Possible effects of photomultiplier-afterpulses on scintillation counter measurements, 24:44279
  - Primary cosmic radiation in energy region above 10^{14} eV, 22:2856
- TRUEMPER, Manfred Einstein field equations for axially symmetric, stationary gravitational field inside a strongly rotating ideal liquid, 22:9699
  - Ellipsoidal velocity distributions and a kinetic theory of Newtonian cosmological models, 25:19460
  - Locally ellipsoidal solutions of Liouville's equation in stellar dynamics, 24:8314
  - Observations on the shear-free flow of a gravitating gas, 21:25216
  - Solution of the Newton—Liouville equations for locally ellipsoidal distributions with constant coefficients, 23:3170
- TRUEMPY, K. Future high voltage dc power supplies of the shielded design, 21:38007
  - High power Cockcroft—Walton generator, 25:50287
- TRUESTEDT, W. D. Absolute determination of the coherent scattering amplitude for sulfur and the total reaction cross section for subthermal neutrons, 25:38850
- TRUETZSCHLER, K. Construction and testing of a time-of-flight spectrometer for fast neutrons, 23:33488
  - Detection efficiency of D(d,n)^{3}He neutrons, 23:29176
  - Detector system for ns time-of-flight experiment, 24:11833
  - Deuterated plastic targets for neutron generation, 24:3822
  - Investigations on ^{10}B levels using ^{9}Be(d,n)^{10}B reaction, 24:38113
  - Optimum phase angle of an ion bunch in klystron buncher, 24:13244
  - Time-of-flight spectrometer with pulsed neutron source, 23:7787
  - Use of associated particle method for determining detector efficiency of scintillation detectors for neutrons from the D(d,n)^{3}He reaction, 24:2449 (MLM-1681(tr))
- TRUFAKIN, V. A. Investigation of turbulent exchange and wash-out by measurement of natural radioactivity in surface air, 24:41448
- TRUFANOV, A. M. Inelastic scattering of fast neutrons by Cr, Ni, Y, Zr, and W nuclei, 25:14967
  - Interaction between 14-MeV neutrons and nuclei of Fe, Cu, and Nb, 25:56684 (FEI-216)
- TRUFANOV, V. V. Device for investigating the cement collar behind the column of oil and gas wells, 24:5745
- TRUFFIER, Jean-Louis Tritium determination in metals by combustion in oxygen, 25:15511 (CEA-R-4020)
- TRUFFIN, C. Chiral symmetry and linear trajectories, 23:42654
  - Local duality and conserved currents, 25:30855
  - Meson mass spectrum, 23:46786
  - Optical limit of relativistic scattering, 24:3787
- TRUGLIK, E. Amplitude of a nonrelativistic square diagram, 22:13866
  - Amplitude of the nonrelativistic square diagram, 23:42971
- TRUHAUT, R. Administration of Ca-DTPA on the elimination of trace elements in rats, 21:18008
  - Detoxicant capacity of Ca-DTPA in experimental chronic plutonium poisoning in rats, 21:18007
  - Efficacy of DFO and DTPA for elimination of Pu in poisoned rats, 23:9893
  - Modalities of Ca elimination after ^{45}Ca DTPA injection, 21:18002
- TRUHER, John B. Ion beam generator having laser-activated ion source, 22:50503
- TRUHLAR, D. G. Cross sections for excitation of 2^{3}S state of hydrogen by electron impact, 23:34274 (CALT-767-P-4-45)
  - Determination of differential elastic and vibrational excitation cross sections for e—H_2 scattering, 23:34272 (CALT-767-P-4-43)
  - Electron scattering by H_2 with and without vibrational excitation. II, 24:35190
  - Electron scattering by H_2 with and without vibrational excitation. III, 24:35189
  - Electron scattering by H_2 with and without vibrational excitation. I, 24:35191
  - Electron scattering by $X^{1}\Sigma$/sub g/$^{+}H_2$ at 10 eV with excitation of nuclear motion, 23:34275 (CALT-767-P-4-46)
  - Importance of polarization for electron scattering in the intermediate-energy region, 25:43138
- TRUHLAR, Donald G. Cross sections for excitation of 2^{1}P state of He, 24:21576
  - Differential and integral cross sections for excitation of 2^{1}S state of He by electron impact, 25:52630 (SC-RR-710474)
  - Exact tunneling calculations, 25:34574
  - Forcing conservation of particle flux in perturbation-theory calculations of inelastic scattering, 25:55877
  - Potential energy surfaces for atom transfer reactions involving hydrogens and halogens, 25:39486
  - Quantum mechanics of the H + H_2 reaction: exact scattering probabilities for collinear collisions, 24:32660
  - Reactions of atomic hydrogen with deuterium halides, 23:37946
  - Rearrangement collisions: approximate theories, 22:50028
  - Statistical phase-space theory of reaction $C^{+} + D_2$ including threshold behavior, 24:9299
- TRUHLAR, John F. Trapping and thermal release of noble gases at a nickel surface, 24:28410
- TRUHLAR, John Francis Ion burial and thermal reemission at nickel surfaces, 22:29591
- TRUITT, J. Character and filtration of UO_2—stainless steel aerosols, 23:29123
  - Characterization of radioactive particulate aerosols by the fibrous filter analyzer, 21:16044 (ORNL-4047)
  - Diffusion of gases in graphite pores, 24:42227 (DP-Report-111)
  - Filter efficiencies of commercial media to reactor accident aerosols, 23:37593
  - Function of condensing steam in aerosol scrubbers, 25:29251 (ORNL-4654)
  - Removal of radioactive aerosols on high efficiency fibrous filter media, 24:33335 (ORNL-4524)
- TRUJILLO, D. Inverse problem of radioisotope diagnosis, 24:2732
- TRUJILLO, Ivan Installation and calibration of a radiation unit, 24:39115 (PRNC-135, pp 87-92)
- TRUJILLO, Ralph E. Preparation and assay of T4 bacteriophage, 25:23480 (SC-RR-710107)
- TRUJILLO, S. M. Merging beams, a different approach to collision cross section measurements, 21:5075
  - Study of $H_2^{+} + H_2 \rightarrow H_3^{+} + H$ using merging beams, 22:15342
  - Study of Na—O_2 collisions using merging beams, 23:16673
  - Symmetric-resonance charge transfer in Ar from 0.1 to 20 eV using merging beams, 21:28983
- TRUJILLO, Theodore T. Purification and properties of ribonucleic acid polymerase from Escherichia coli, 21:21828 (LA-3638).
- TRUKHACHEVA, V. A. Chemico—spectral method of analyzing high-purity Sb, 23:24071
- TRUKHAN, E. P. Calculation of the composition of the multicomponent equilibrium plasma, 22:44095
- TRUKHANOV, G. Ya. Application of the albedo method to the design and calculation of bundles of rods, 25:54262 (IAE-1981)
  - DEMETRA program set for calculating problems of neutron thermalization in one-dimensional cell of heterogeneous reactor, 25:44195 (IAE-2010)
  - Methods of solving problems in neutron thermalization theory, 22:20414 (JPRS-43682, pp 43-62)
  - Neutron thermalization in a graphite—water system at large temperature gradients, 22:22828 (AERE-Trans-1085)
  - Relaxation lengths in water, 23:34705 (IAE-1612)
  - Relaxation lengths in water, 24:52384
  - Rethermalization lengths in graphite and in water, 23:34706 (IAE-1613)
  - Rethermalization lengths in graphite and water, 24:52383
  - Solution of thermalization problems by the quasi-diffusion method, 24:52360 (IAE-1875)
  - Solving neutron thermalization theory problems, 22:29859
- TRUKHANOV, K. A. Assessment of reliability of radioisotope diagnosis, 22:38372
  - Effect of secondary emission on potential of metallic body in radiation fields of the Earth, 25:59115
  - Effective protection of space ships, 25:9540
  - Pulse ionization detector in self-coincidence connection, 23:4821
- TRUKHANOVA, L. N. Thermal properties of molybdenum at high temperatures, 25:6870
  - Thermal properties of niobium at high temperatures, 25:32700
  - Thermal properties of tantalum at high temperatures, 25:11425
- TRUKHLYAEV, P. S. Isotopic composition of Xe, Kr, and Ar extracted from oxide of ^{244}Cm, 21:46749
- TRUKHMANOVA, E. S. Contribution to the setting-up standards for inert radioactive gases, 21:43218 (BNL-tr-141)
- TRUKHTANOV, Veniamin Alexandrovich Method and apparatus for determining the content of chemical elements or compounds in specimens, 22:6287
- TRULSEN, J. Radiation from a charged particle in a magnetoplasma, 25:19696
- TRULSEN, Jan Karsten Test-particle radiation in magnetoplasma, 25:14325
- TRUM, A. D. Use of pulsed neutron—neutron logging in oil fields of Ukraine, 24:9510
- TRUMBO, D. E. Observations of pulsar NP 0532, 23:14509
  - Optical counterpart for pulsar CP 1919 + 21, 22:38661
  - Recording phase-resolved spectra of regularly faint light sources, 24:51314
- TRUMBORE, C. N. Prog. rpt. on chemical radiation protection agents, 5/64—3/67, 21:25873 (NYO-3383-06)
  - Prog. rpt. on primary chemical processes in the radiolysis of liquids, final, 9/15/60—9/14/67, 22:12340 (NYO-2668-15)
  - Prog. rpt. on primary processes in radiation chemistry of liquids, 3/22/67—6/8/70, 24:31343 (NYO-3383-18)
- TRUMBORE, Conrad N. Aqueous radiation chemistry of cysteine. I, 22:37793
  - Prog. rpt. on primary processes in radiation chemistry of liquids, 6/69—6/70, 24:31342 (NYO-3383-17)
  - Prog. rpt. on radiation chemistry of liquids, 2/14/67—5/7/68, 22:40106 (NYO-3383-13)
  - Prog. rpt. on radiation chemistry of liquids, 5/8/68—6/1/69, 23:35133 (NYO-3383-16)
  - Radiation and photochemistry of aqueous p-nitrosodimethylaniline, 23:47533
  - Reactions of the hydrated electron in alkaline solution, 22:18815
- TRUMP, J. G. Use of ionizing radiation for sterilization and preservation of biological tissues, 25:11337
- TRUMP, John G. Clinical safety in low-megavolt electron therapy, 22:28615
  - New developments in high voltage technology, 21:38002
- TRUMP, Michael A. Application of pn junction diodes to the measurement of dose distribution of high energy radiation, 21:45387
- TRUMPER, J. Comments on the paper high transverse momenta observed in air shower cores, 25:40858
- TRUMPFHELLER, Rudolf Application on non-destructive testing methods with the periodical inspection of reactor vessels, 25:37555
- TRUMPY, B. Rocket measurement of proton energy spectra and pitch angle distribution in the auroral zone, 21:2112
- TRUMPY, G. Moessbauer effect studies on binary iron—tin alloys, 22:46264
  - Moessbauer study of ^{161}Dy in Gd_2O_3, 24:45370
  - Positron lifetime in H_2O and D_2O, 24:15144
- TRUNDLE III, A. S. Aerial radiological measuring system, 22:305 (CEX-59.4(Pt.4))
  - Tracking radioactivity from the air, 21:10470
- TRUNECEK, Vaclav Cold and thermionic electrodes of torch arc, 21:30748
- TRUNG, D. Boundary layers associated with a cold cathode and a seeded hot plasma, 25:47374
- TRUNIN, J. F. Stability of a nuclear reactor i. e. of an object having a time delay, 22:20828
- TRUNIN, R. F. Compression of porous quartz by strong shock waves, 25:39395 (SC-T-713032)
- TRUNIN, Yu. F. Effect of a change in density of fissionable material on the stability of a circulating fuel reactor, 24:50237
  - Stability of nuclear power plant with circulating fuel, 22:35509
  - Study of the stability of a nuclear power plant with circulating fuel, 22:25031
- TRUNK, M. Lifetime and delayed neutron fraction of thermal thermionic reactors, 25:20825
- TRUNOV, G. V. Production of parts of complex shape in lanthanum hexaboride, 25:55599
- TRUNOV, I. V. New data on binary sodium and thorium tungstates, 24:34963
- TRUNOV, V. A. Analysis of polarized neutron spectrum with the aid of constant magnetic fields, 22:22536
  - Polarized neutron passage through ferromagnetic films, 25:17675
- TRUNOV, V. K. Continuous series of solid solutions in TiO_2—$CrNbO_4$ systems, 22:17177
  - Double oxides formed by interaction of Nd_2O_3, Sm_2O_3, and Er_2O_3 with tungsten trioxide, 22:34103
  - Investigation of some binary niobium oxides, 22:38638
  - Investigation of the system UMo_2O_8—UW_2O_8, 24:10182
  - Low-temperature synthesis of 6 $ZrO_2.Nb_2O_5$ compound, 23:6098
  - Low-temperature synthesis of compound $6ZrO_2.Nb_2O_5$, 22:52242
  - Phase equilibria in an yttria—alumina—neodymia system, 23:3156
  - Reaction of hydrogen with films of titanium and scandium on various metal supports, 23:9402
  - Reaction of thorium tungstate with the tungstates of sodium and lithium, 23:43317
  - Reactions of Sc_2O_3 with Nb and Ta pentoxides, 25:22154
  - Structure of $Y_{0.33}TaO_3$, $La_{0.33}TaO_3$, 22:19652
  - Studies of the NbO_2—Nb_2O_5 system, 21:41675
  - Studies of ThO_2—Y_2O_3—WO_3 system, 24:17383
  - Study of UMo_2O_8—UW_2O_8 system, 22:52295
  - Thermal studies of UO_2—MoO_3 system, 21:27977
  - X ray studies of AB_2O_6 compounds, 22:12282
  - X-ray studies of α—UMo_2O_8 and α—$ThMo_2O_8$, 21:18345
  - Yttrium tungstate—thorium tungstate system, 22:34121
- TRUNOVA, N. M. Change in the electroretinogram during irradiation, 22:15081
- TRUNOVA, Z. G. Flux density of 3C 270 and 3C 278, 23:41822
- TRUOEL, P. Alpha—deuteron structure of the ^{6}Li ground state, 23:23637
  - Measurement of the $\pi^{-}p \rightarrow n\gamma$ differential cross section, 24:18081
  - Radiative pion capture in ^{12}C, 25:3550
  - Scintillation counter array for detection of high energy neutrons, 24:21018
  - Search of Roper resonance in $\pi^{-} + p \rightarrow \gamma + n$, 23:49027 (UCLA-34-P-106-42)
- TRUOEL, Peter Gamma-spectra from radiative pion capture in carbon, 24:8567 (UCRL-19349)

TRUOL, P. Excited states in ^{10}B from reaction ^{6}Li(α,α)^{6}Li, 21:40390
Isobaric spin impurity of the lowest T = 2 state in ^{20}Ne, 21:42568
TRUONG, T. Implications of recent measurements of K/sub l/ $\rightarrow$ $\pi^0\pi^0$/K/sub l/ $\rightarrow$ $\pi^+\pi^-$ branching ratio, 22:20199 (CONF-670211-, pp 34-45)
TRUONG, T. N. Feedback mechanism for the n-p mass difference, 21:9748
Pomeranchuk violating amplitude in pion nuclear scattering, 24:21984
Sum rules and bounds for forward Compton scattering, 24:26403
TRUONG, Thanh Khai Step by step integration of the beam current of a pulsed accelerator, 22:7576 (RI-1967/12)
TRUONG, Tran N. Bounds on the pion electromagnetic form factor, 23:18856
Decay rate of $K_2^0 \rightarrow 2\pi^0$ and charge asymmetry in $K_2^0 \rightarrow \pi^{+-}$l-+ ν decays, 21:33663 (NYO-2262-TA-143)
Electromagnetic form factor, 23:18841
K_1^0—K_2^0 mass difference and possibility of a S-wave di-pion resonance above 500 MeV, 21:2436
Phenomenological analysis of CP noninvariance in K/sup + -/ $\rightarrow$ 3π decay, 21:950
Pion electromagnetic form factor, 22:46369
TRUPP, A. C. Collapse mechanism of fluidized beds subjected to sudden loss of liquid flow, 23:21877 (AECL-3028)
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- TSAGAKIS, E. D-region electron densities during IQSY, 22:19858
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  - Scandium sesquioxide enthalpy and heat capacity at high temperatures, 23:36221 (LA-4158-TR)
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  - Radionuclide effects on the lens protein of the beagle, 24:29860 (UCD-472-116, pp 57-9)
  - Strontium-90 and ^{226}Ra effects on mucopolysaccharides of costal cartilage, 24:29858 (UCD-472-116, pp 45-9)
- TSAI, Huan-Chang C. Biochemical studies on bone and other connective tissues. II, 23:12005 (UCD-472-115, pp 48-9)
  - Biochemical studies on bone and other connective tissues. I, 23:12004 (UCD-472-115, pp 45-7)
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- TSAI-CHU Emission of light particles in the interactions produced by 26-GeV protons in nuclear emulsions, 25:9642
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- TSAO, H. S. Broken chiral SU(3) x SU(3) symmetry. I, 24:37841
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  - Photospheric and chromospheric magnetic fields and the brightness of faculae and flocculi, 25:9095 (CSIRO-Trans-10258)
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Prog. rpt. of the Chemistry Dept., annual, 6/66—6/67, 21:45081 (NYO-1158-21)

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U

- U, Raymond Effect of urethane and colchicine on radiation-induced chromosome loss in male Drosophila, 21:20122
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- UKAI, K. Monte Carlo calculation of energy spectra on a γ-counter in detection of eta^0 and π^0 mesons, 25:49004
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- UKEN, E.-A. Automatic timing of the neutron-generator counting station, 25:32304 (NIM-967)
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- UKHANOVA, V. A. Patterns of distribution of fission products deposited from fallout in forests of various areas of USSR, 24:25421 (A-AC-82/G/L-1302)
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- UKHIN, N. A. Annealing processes in n-type Ge irradiated with high-energy protons, 25:45542
  - Concerning the effect of the neutron spectrum during irradiation of crystals, 24:12877 (IAE-1880)
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  - Participation of kinins in pathogenesis of early disturbances in skin capillary permeability in local β-ray irradiation, 22:21543
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- UKRAINTSEVA, L. V. Spectra and angular distributions of α particles from the interaction of accelerated ^{22}Ne and ^{40}Ar ions with Au and Th nuclei, 21:10002 (JINR-P7-3041)
  - Spectra and angular distributions of α particles from interaction of accelerated ions ^{22}Ne and ^{40}Ar with nuclei Au and Th, 22:14062
- UKSHE, A. N. Radioprotective effects of acclimatization to hypoxia, cysteamine, and ginseng root extract, 24:7931
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  - Some elementary attempts at numerical modeling of problems concerning rates of evolutionary processes, 25:15435 (LA-4573)
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  - Oscillopolarographic determination of cysteic acid level in the fingernails followed chronic irradiation in humans, 25:13369
- ULBRICH, C. W. Energy gap and thermal conductivity of pure and impure superconducting tin, 21:15065
  - Superconducting- and normal-state thermal conductivity of impure tin, 21:15064
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ULLAH, M. Enayet Relativistic tables of neutron energies from T(p,n), D(d,n), R(d,n) and Li(p,n) reactions, 23:37096 (AECD/EP-17)

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ULRIKSON, G. U. Indexed bibliography on effects of radionuclides and ionizing radiation on ecological systems, 25:46763 (ORNL-NSIC-95)
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  Survey of thermal research programs sponsored by federal, state, and private agencies (1970), 25:25948 (ORNL-4645)
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  - Study of ^{88}Sr(p,γ)^{89}Y and ^{89}Y(p,γ)^{90}Zr from E/sub p/ = 2.3 to 3.0 MeV, 25:53661 (COO-1120-119)
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UNLAND, Mark L. Characterization of ground-state wavefunctions by measured electronic properties. I, 22:52869
UNLU, M. Yasar Uptake of ^{203}Hg by Tapes decussatus L, 25:8625 (NP-18429)
UNMACK, F. L. Prog. rpt. on radioisotope space power generator, annual, 7/67—6/68, 24:22875 (GA-8928(Pt.2))
UNNA, I. Approach to the nuclear many-body problem by a variationally determined transformation, 24:13424
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UNNAI, Takaaki Alkaline earth complexes in various solutions. IV, 23:15859
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UNNEBERG, Lars Fuel element design and cladding material development for high pressure coolant fast breeder reactors, 23:11237 (CONF-680419-, pp 291-300)
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UNNERUS, Carl-Erik Radiation therapy of the parametria in gynecologic tumors, 23:20287
UNNEWEHR, Friedrich Dosimetry of human body after 17 MeV-betatron radiation, 23:29514
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Optimization of crystal positions in multidetector—stretcher whole-body counting assembly, 25:6531 (BARC-505)
UNNO, W. New evidence for the oblique-rotator model for α^{2} Canum Venaticorum, 23:44051
UNNO, Wasaburo Contraction and pulsation of very massive stars, 21:18380
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UNO, I. Nuclease mutants in Neurospora, 24:7804
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UNO, Seiichiro Recovery of krypton by adsorption process, 23:7660 (JAERI-1167)
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UNO, Taiko Hydrogen produced by the hot-atom-process in the radiolysis of ethane, 22:47178
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UNO, Toyozo Infrared spectra of acylureas and NN'-deuterated acylureas, 23:26232
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UNOURA, Kinya Isotope effects on the hydrogen formation reaction in the radiolysis of cyclopentanone, 23:236
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- Technological considerations in emergency instrumentation preparedness, Phase I, 25:32208 (BNWL-1552)

UNRUH, Carl M. Methods of measurement and interpretation of results in radiation monitoring and dosimetry, 23:9694 (BNWL-SA-2128)

UNRUH, W. G. Mean gamma-ray energy absorption coefficients, 21:40055
- Radiation energy absorption in WR-1: measurements at low power, 22:3884 (AECL-2763)

UNRUH, Wesley P. Electron-nuclear double resonance of F centers in MgO, 21:16981

UNRUK, W. G. Excluded possibilities of geometrodynamical analog to electric charge, 25:53079

UNSELD, H. Fast neutron time-of-flight spectrometer used with the Karlsruhe isochronous cyclotron, 22:45330
- High resolution total neutron cross sections between 0.5 to 30 MeV, 23:13204 (EURFNR-591)
- High resolution total neutron cross sections for Si, Cr, and Ni between 0.5 and 30 MeV, 25:38921 (EURFNR-591(Suppl.1))
- High resolution total neutron cross sections for Na, Cl, K, V, Mn, and Co between 0.5 and 30 MeV, 25:38922 (EURFNR-591(Suppl.2))
- Method for very high resolution cross-section measurements, 21:16141 (KFK-453)
- Sector-focused cyclotron as a powerful tool for fast neutron time-of-flight research, 21:44513 (CONF-660925, pp 589-98)

UNSER, K. Beam current transformer with dc to 200-MHz range, 23:28167
- Circulating beam current monitor, 25:7774 (NP-18586)
- Controls for the CERN Intersecting Storage Rings, 23:28144
- Proposal for induction type beam monitor for slow ejected beam of CPS, 24:37990 (MPS/Int. CO-65-3)

UNSEREN, Envare Gamma dosimetry based on the polymerization of methacrylonitrile and subsequent determination of the ketenimine absorption at 4.96μ, 21:6314

UNSOELD, A. Abundance of iron in the photosphere, 25:49645
- Abundance of iron in the solar photosphere, 24:44900
- Abundances of Fe and some other elements in the Sun and in meteorites, 23:51283
- Relation of cosmology to some basic principles of physics, 22:43814
- Relative stellar abundance and origin of the chemical elements, 23:22853 (ORNL-tr-1833)
- Solar corona, interplanetary plasma, and prominences, 24:17546
- Stellar frequency distribution and origin of chemical elements, 21:39715

UNSOELD, Albrecht Structure and variations of the solar corona, 24:25882 (CSIRO-Trans-9644)
- Theory of flares and some related solar phenomena, 23:1117

UNSOELD, E. Influence of strong magnetic mirrors on the stability and containment of a theta-pinch plasma, 22:1138 (LA-3770, Paper D7)

UNSWORTH, P. J. Nuclear dipole, quadrupole, and octupole moments of ^{155}Gd by atomic beam magnetic resonance, 23:13268

UNT, V. Axi-symmetric electromagnetic radiation in general relativity in the first approximation, 23:1142
- Calculation of Newtonian approximation to relativistic gravitational field, 23:19000
- Combined Bondi and fast approximation method in general relativity. I, 23:42744
- Combined Bondi and fast approximation method in general relativity. II, 25:14807 (NP-18559)
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UNTEREGGER, P. Influence of electrical resistivity of the MHD stability, 23:32451

UNTEREGGER, Peter Plasma instabilities and MHD applications, 23:34446 (AD-684563)
- Prog. rpt. on plasma instabilities, final, 1/1—12/31/67, 22:34717 (AD-664924)
- Resistive instabilities of a viscous magnetofluid, 23:30389 (AD-681513)

UNTERLERCHNER, W. Low cost vacuum hardware developed for CERN PS booster, 25:50437

UNTERMYER, S. Applications of nondestructive fuel assay, 24:5609

UNTERMYER II, Samuel Better screwdriver: nuclear fuel assay machine, 24:29223
- Controlling cesium reservoir temperature for thermionic converters, 24:17724

UNTERREINER, K. H. Magnetization in Yb—Eu alloys, 25:12013

UNTERSPANN, S. Distribution in animals of DTPA-metal chelates: /sup 113m/In, ^{72}Ga, ^{51}Cr, 23:12027

UNTERWALD, F. C. Adjusting poles and zeros of dielectric dispersion to fit reststrahlen of $PrCl_3$ and $LaCl_3$, 22:52856
- Interaction of nitrogen with Mo and reaction $^{28}N_2$ + $^{30}N_2$ reversible $2^{29}N_2$ catalyzed by Mo and observed by mass spectrometer, 22:37747
- Reaction of H_2 + D_2 in equilibrium with 2HD catalyzed by molybdenum and observed by mass spectrometer, 22:37754

UNTHANK, E. L. Stratospheric winds over Australia, 25:2017 (NYO-3747-3)
- Stratospheric winds over Australia, 25:2018 (NYO-3747-5)
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- Stratospheric winds over Australia, 25:2020 (NYO-3747-10(Pt.1))
- Stratospheric winds over Australia, 25:2021 (NYO-3747-10(Pt.2))

UNTI, T. Two-dimensional Chapman—Ferraro problem with neutral sheet. I, 23:5309
- Two-dimensional Chapman—Ferraro problem with neutral sheet. II, 23:39384
- Two-dimensional Chapman—Ferraro problem with neutral sheet. III, 24:6433

UNTI, Theodore W. J. Alfven waves in the solar wind, 22:19891

UNTIEDT, J. Model of the equatorial electrojet involving meridional currents, 22:5250

UNVALA, B. A. Growth of epitaxial layers by ion beam sputtering, 25:11962

UNVERFERTH, Klaus Kinetics of acid-catalyzed H isotope exchange in thiophene, furan, selenophene, and pyrrole, as well as furan hydrolysis, 25:51448

UNVERRICHT, A. Intraarticular therapy of progressive chronic polyarthritis with colloidal ^{198}Au, 25:568

UNWIN, A. M. Improved radiation storage time predictions, 23:17879
- Statistical analysis of neutron-induced gain degradation of power transistors, 25:21502

UNWIN, D. D. Radiation protection in a veterinary practice, 25:42485

UNWIN, D. J. New radiocarbon date for Wales, 21:19766

UNWIN, R. S. Comment on ion-acoustic waves in the auroral plasma, 25:40454
- Magnetically conjugate observations of the radio aurora, 25:49801
- Morphology of the vhf radio aurora at sunspot maximum. I, 21:5195
- Morphology of the vhf radio aurora at sunspot maximum. IV, 22:19873
- Morphology of vhf radio aurora at sunspot maximum. II, 21:5196
- Morphology of vhf radio aurora at sunspot maximum. III, 22:22022
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UNY, G. Determination of tellurium by atomic absorption spectrometry in antimony—gallium semiconductor alloys, 25:23505
- Titrimetric determination of beryllium in presence of large amounts of uranium, 22:16444

UNY, Gisele Polarographic determination of uranium dioxide stoichiometry, 21:5745 (CEA-R-3029)

UNZ, F. General magnetic field and rotation of the outer layers of the sun, 23:46201

UNZ, H. Analogy between linear isotropic plasma theory and classical elasticity, 22:13464
- Asymptotic solution of oblique waves in inhomogeneous vertically magnetized plasma, 21:44099
- Asymptotic solutions of waves in inhomogeneous plasma with longitudinal magnetic field, 22:13364
- Comparisons between new methods for analysis of ionospheric records, 22:52658
- First-order coupled differential equations for waves in inhomogeneous warm magnetoplasmas, 21:46369
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- Magneto-ionic theory for drifting plasma: the Whistler mode, 22:34691
- Oblique electromagnetic radiation incident on a semi-infinite warm general magnetoplasma, 21:37308
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- Oblique wave propagation in a compressible general magnetoplasma, 21:2227 (P-3188(RAND))
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- Radiation from electromagnetic sources in an unbounded compressible magneto-plasma, 21:765 (AD-636581)
- Reflection and transmission of normally incident waves by a semi-infinite longitudinally drifting magnetoplasma, 23:1462
- Relativistic magnetoionic theory for drifting plasma, 22:22182
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- Wave propagation in isotropic warm plasmas, 21:7230
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UNZ, Hillel Normal incidence of electromagnetic waves on plasma: nonrelativistic solution, 22:9320
- Propagation in a two-stream magnetoplasma, 23:44472
- Reflection and transmission of electromagnetic waves normally incident on a plasma slab, 24:12860

UNZICKER, A. E. Solar x-ray spectrum from 1.9 to 25 A, 21:33055

UO, K. Confinement of high-temperature plasma by the heliotron magnetic fields, 21:35136

UO, Koji Behavior of charged particles in a toroidal magnetic field, 21:7171 (CLM-R-67)
- Behaviour of ohmically heated plasma, 23:32399
- Field parameters of linear Heliotron P field, 24:26235
- Helical Heliotron field for plasma confinement, 25:33212
- Plasma confinement by Heliotron magnetic field with inner conductors, 22:22134
- Plasma confinement experiment on Heliotron D machine, 25:38375 (CONF-710607-108)
- Plasma confinement in Heliotron field with buried ring conductors, 24:35377

UOTILA, Unto Strontium-90 in human bone in Finland, 1967—68, 25:37778 (CONF-690527-, Paper 3)

UOTINEN, V. O. An analysis of some uniform lattice temperature coefficient experiments, 23:4340
- Analysis of Pu-fueled assemblies, 23:37749
- β/sub eff//l for a Pu-enriched H_2O lattice containing water regions, 25:41566
- Calculations for H_2O-moderated lattices of UO_2—4 wt. percent PuO_2 fuel rods, 21:35702 (BNWL-CC-1205)
- Effect of ^{241}Pu decay on the analysis of plutonium critical experiments, 25:8122
- Experiments and calculations for H_2O—moderated assemblies containing UO_2—2 wt percent PuO_2 fuel rods, 21:38722
- Experiments and calculations for H_2O-moderated assemblies containing UO_2—2 wt. percent PuO_2 fuel rods, 24:43853 (BNWL-SA-1107)
- Inverse multiplication monitoring of subcritical reactivity changes in FTR, 24:33442
- Measured and calculated effective delayed-neutron fraction/prompt-neutron lifetime for some uniform H_2O lattices, 24:7238
- Measurement of the reactivity worth of Hf-oxide rods in a PuO_2—UO_2—H_2O lattice, 21:8103
- Nuclear power plant in the nuclear material safeguards accounting system, 25:54934 (BNWL-1598)
- "Poison-free" loading of UO_2 and Pu—Al in PRCF with D_2O-moderator, 21:30251 (BNWL-372)
- Reactivity worth of a central safety rod with and without an internal scatterer, 22:16269 (BNWL-618)
- Reactor kinetic parameters of lattices of plutonium and uranium in water, 25:23413
- Results from USAEC plutonium utilization program conducted by Battelle-Northwest, 25:46263 (BNWL-SA-3865)
- Review of heavy water reactor physics, 23:45125 (BNWL-1119)
- Sensitivity of reactivity characteristics to cross section uncertainties for plutonium-fueled thermal systems, 22:20782 (BNWL-SA-1501)
- Status of burnup calculational technology as applied to the nuclear materials safeguards accounting system, 25:54935 (BNWL-1599)
- Temperature coefficients of PuO_2—UO_2—H_2O lattices, 22:5746

UPADHYA, K. N. Electronic absorption spectra (π—π^*) of p-dibromobenzenes-D_4 and -H_4, 25:13003

UPADHYA, M. Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 21:4892 (UH-235-P-5-2)
- Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 23:48294 (UH-235-P-5-4)
- Prog. rpt. on disinfestation of fruits and vegetables by gamma irradiation, annual, 6/66—5/67, 23:10131 (UH-235-P-5-3)

UPADHYA, M. D. Cytotoxic effects of extracts from gamma-irradiated pineapples, 21:22797
- Post-irradiation storage recovery of pineapple fruits from induced cytotoxicity, 23:10142 (UH-235-P-5-3, pp 105-14)

UPADHYA, Mahesh D. Biochemical changes during storage of gamma irradiated papaya, 23:10132 (UH-235-P-5-3, pp 3-13)
- Biochemical changes during storage of gamma-irradiated lychees, 23:10146 (UH-235-P-5-3, pp 140-8)
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- Irradiated summer and winter pineapples under varying storage periods and temperatures, 23:10141 (UH-235-P-5-3, pp 95-104)
- Irradiation of mangoes for control of the mango seed weevil, 22:52120
- Post-irradiation storage changes in irradiated pirie mango, 23:10139 (UH-235-P-5-3, pp 70-84)
- Radiosensitivity of Secale, 23:38536

UPADHYAY, J. Combination treatment of spores of Cl. botulinum with heat plus radiation, 24:48769
- Effect of temperature on radiation resistance of spores of Clostridium botulinum 33A, 21:20452
- Radiation survival of bacterial spores, 24:14629
- Radiation survival of bacterial spores, 25:13611

UPADHYAY, S. R. Annealing of gamma-irradiation damage in crystalline lead nitrate, 22:27818
- Ligand recoil and solid state exchange reactions in hexahalo-complexes of Re(IV) and Rh(III), 24:27105 (JUL-625-RC)
- Radiation chemistry of aqueous potassium permanganate solutions, 23:43363

UPADHYAYA, G. S. Lattice parameter study of titanium—molybdenum and niobium—molybdenum alloys, 22:43612
- Physical properties of monocarbides of zirconium, niobium, and their alloys in homogeneity range, 25:55632
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- Some relationships of constitutional diagrams of IIIA—VIA transition metals, 23:8232

UPADHYAYA, K. S. Flow behind magnetogasdynamic shock, 24:28160
- Flow-transition through several oblique hydromagnetic shocks, 23:36577

  - Flows behind special hydromagnetic shocks, 24:3231
  - Some coincidences in magnetofluiddynamics, 22:21989
  - Vorticity generated behind shock waves in conducting gases, 23:12829
- UPADHYAYA, U. N. Effect of one-body interactions on the transition temperature of superconductors, 23:5343
  - Effect of one-body interactions on transition temperature of superconductors, 24:51597
  - Low temperature properties of dilute superconducting alloys, 25:43306
  - Nonmagnetic localized impurity states in dilute superconducting alloys, 22:29410
- UPADHYAYA, U. S. Flow behind magnetogasdynamic shock waves, 24:5037
  - Flow behind magnetogasdynamic shock, 24:28160
- UPADKHAYA, G. S. Physical properties of transition metal monocarbides in their homogeneity range. I, 23:36239
- UPADKHAYA, G. Sh. Construction regularities in phase diagrams of systems of transitional metal groups III—VI, 24:12431
  - Electro-erosion resistance of refractory carbides within corresponding ranges of homogeneity, 25:58356
  - Emissivity of monocarbides of titanium and niobium and their alloys in the region of homogeneity, 25:52966
  - Physical properties of alloys of niobium and titanium carbides in their homogeneity range, 23:36081
  - Properties of niobium and titanium carbide alloys in the domain of their homogeneity, 22:52281
  - Properties of zirconium carbide—niobium carbide alloys in their homogeneity region, 25:52446
  - Temperature dependence of electric conductivity and thermal electromotive forces in the homogeneous carbide alloy regions of titanium and niobium, 25:5176
  - Work function of titanium and niobium carbides in the homogeneity region, 25:33458
- UPCHURCH, Robert E. Subject headings used by USAEC, DTI, 21:2924 (TID-5001(6th Rev.))
  - Subject headings used by USAEC, DTI, 22:22915 (TID-5001(7th Rev.))
- UPDEGRAFF, David M. Relationship of microorganisms to uranium deposits. final report, 24:7712 (GJO-932-2)
- UPDEGRAFF, W. E. Dynamic collective model of photofission, 25:15198
- UPDEGRAFF, William Edward Model of nuclear photofission, 25:20499
- UPDEGROVE, W. S. Organic analysis of the Pueblito de Allende meteorite, 24:46824
- UPEX, G. D. Analysis of Ge(Li) gamma ray spectra with on-line computer, 22:43076 (AAEC/TM-458)
- UPGREN, A. R. Finding list of early-type stars in regions of intermediate galactic latitude, 23:39129
  - Finding list of late-type stars in regions of intermediate galactic latitude, 24:30079
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- UPHAM, Gary L. Applications to time-sharing computers to reactor problems and simulation of TRIGA reactor pulses, 23:23981
- UPHAM, J. L. Princeton floating multipole-superconducting ring progress, 23:30488
  - Stabilized, levitated superconducting rings, 22:29455
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- UPHAUS, R. A. Effect of heavy water on the germination of a number of species of seeds, 22:40954
  - Effects of deuteration on development in Atropa belladonna, 21:36756
  - Effects of deuterium replacement on seed development, 24:5984
- UPHAUS, Robert A. Deuterium isotope effect on carbon isotope fractionation in photosynthesis, 21:17955
- UPHOFF, D. E. Graft versus host reaction modified by in vitro marrow-erythrocyte preincubation, 23:35886
- UPHOFF, Delta E. Graft-versus-host reaction modified by in vitro preincubation of marrow with subcellular antigen, 25:26662
  - Immunologic competence of bone marrow of different genotypes, 24:7763
  - Immunological considerations of bone marrow transplantation, 24:628
  - Immunological considerations of bone marrow transplantation, 24:11988
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  - Maternal modification of tissue antigenicity and the histocompatibility-2 (H-2) locus, 25:8618
  - Skin allograft tolerance induced in adult mice by transplantation of syngeneic marrow, 23:47984
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  - Calculation and design of boilers in nuclear power stations, 25:28748
  - Computation and lay-out of steam generators in nuclear power plants, 25:308
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  - Possibilities of reducing losses in the separation of trace elements by precipitation. determination of the relative stabilities of adsorption complexes, 25:31944
  - Problems in separation of traces of elements by precipitation. IV, 21:32110
- UPOR, Endre Analytical applications of alkyl phosphoric acid esters. V, 23:13638
  - Exclusion of disturbing effects due to organic matter in determinations of uranium by the peroxide method, 21:15
  - Separation of the trace elements by precipitation and extraction, 25:54734
  - Separation of traces of elements by precipitation. III, 21:19744
  - Separation of traces of elements by precipitation. II, 21:19743
  - Separation, by precipitation, of traces of elements. I, 21:15991
  - Studies of uranium separation by conversion into carbonate $[UO_2(CO_3)_3]^{4-}$ complex, 21:25957
- UPOR-JUVANCZ, V. Analysis of contaminants in uranium compounds by post-irradiation paper chromatography, 21:8214
- UPOROV, V. I. Mechanism of the reaction of nonstoichiometric uranium dioxide with molybdenum, 24:13833
- UPPAL, H. L. Study of radioactivity of rain water, 23:463
- UPPAL, Surjit S. Kinetics and mechanism of trimethylamine—haloborane hydrolysis, 24:29248
- UPPARD, J. E. Survey of studies of forces exerted on model structures by wind and blast waves, 21:30651 (AWRE-E-6/67)
- UPPULURI, V. R. R. Asymptotic distribution of eigenvalues of random matrices, 24:50286 (ORNL-4603)
  - Limit laws of a sequence determined by a random difference equation governing a one-compartment system, 25:51318 (ORNL-4719)
  - Limit theorems for additive-multiplicative random sequences, 21:35797 (ORNL-4144)
- UPPULURI, V. R. Rao Likelihood ratio test criterion for small samples from multinomial distributions, 21:1233 (ORNL-3991)
  - Probability distribution arising in a riff-shuffle, 21:40735 (ORNL-4156)
  - Random difference equations occurring in one-compartment models, 22:10705
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  - Two-compartment model with a random connection, 21:10725 (ORNL-P-2644)
- UPSON, U. L. In-cell recording optical spectrometer, 21:19892 (BNWL-337)
  - Ion-exchange separation of kilocurie quantities of high purity promethium, 21:10412 (BNWL-318)
  - Mark-II in-cell recording optical spectrometer, 22:16925 (BNWL-680, pp 5-6)
  - Solidified high-level wastes and their stability under simulated storage conditions, 21:10585 (CONF-660208-, pp 642-58)
- UPSON II, Walter L. Local interstellar reddening, 23:44129
- UPTMOR, M. L. RELAP3: a computer program for reactor blowdown analysis, 24:43788 (IN-1321)
- UPTON, A. Cytogenetics of post-irradiation mouse leukaemia, 24:34245
- UPTON, A. C. Biohazards manual, 24:41114 (ORNL-TM-2854)
  - Comparison of 60-MeV protons and 300-kVp x-rays for induction of lens opacities in RF mice, 24:51050
  - Differences between exogenous and endogenous hemopoietic spleen colonies, 24:27700
  - Effect of age of recipient mice on growth and differentiation of transplanted bone marrow cells, 22:51344
  - Effects of estradiol on splenic repopulation in irradiated mice, 25:4471
  - Gastorintestinal lesions in aged conventional and germfree mice exposed to radiation as young adults, 22:49549
  - Induction of carcinoma of the glandular stomach by whole-body irradiation, 25:4703
  - Influence of age at irradiation on susceptibility to radiation-induced life-shortening in rf mice, 22:43420
  - Late effect of fast neutrons and gamma rays in mice as influenced by the dose rate of irradiation, 22:36375
  - Late effects of fast neutrons and gamma rays in mice as influenced by the dose rate of irradiation: life shortening, 22:36374
  - Late effects of fast neutrons and gamma-rays in mice, 24:19360
  - Late somatic effects in mice irradiated with fast neutrons, 22:31237
  - Longevity as influenced by irradiation in germfree mice, 21:6612 (ORNL-P-2413)
  - Longevity as influenced by irradiation in germfree mice, 22:43410
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  - Thermodynamic study of solubility of graft-copolymers of perchlorovinyl with vinylacetate obtained by means of radiation, 22:21116
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  - Allelic mutations of Arabidopsis thaliana induced by ^{60}Co γ rays, 23:16264
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- USME, V. A. Environmental radiometric study in Colombia during 1968, 24:31486 (IAN-RS-ERA-4)
- USNER, A. A. Decay of thermalized neutron fields in graphite, 22:3597
- USNER, L. Miscibility of cubic multicomponent carbides, 22:43653
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- USOV, O. A. Rules for inelastic neutron scattering in rutile crystals, 23:51793
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- USPENSKII, V. K. Optimization of parameters of two-group approximation of kinetics equations by the method of logarithmic frequency response, 25:23404
- USSEGLIO-NANOT, R. Atlas. Transformation characteristics of chromium and chromium—molybdenum white irons. Experimental procedure, 25:45017
  - Factors affecting the structure of chromium and chromium—molybdenum white irons, 25:55556
- USSELI, A. I. Connection between absorption and anisotropy of scattering in neutron transport theory, 22:11884
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- USSELMAN, James A. Liver scanning in the assessment of liver damage from therapeutic external irradiation, 21:11108
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  - Sealing of illuminators of large hydrogen bubble chambers, 22:19156
- USTIMENKO, L. Yu. Calculations of distribution of potential along the MHD-generator channel by means of substitution scheme method, 21:43859
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  - Finite difference formulation of current and potential distribution in plane MHD channel, 22:38865
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  - Prog. rpt. on mechanisms of immunosuppression and cellular mechanisms of secondary disease, 1970, 24:38655 (COO-1632-26)
  - Prog. rpt. on mechanisms of immunosuppression and cellular mechanisms of secondary disease, annual, 9/70—8/71, 25:39367 (COO-1632-29)
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Proceedings of second southeastern seminar on thermal sciences, 7/1966, Oak Ridge, Tenn, 22:234 (ORNL-TM-1975)
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Analysis of world-wide contributions to Nuclear Science Abstracts, Vol. 24, 1970, 25:41673 (TID-25710)
VADER, D. C. Pressurized water loop in the high flux reactor at Petten, 25:57121 (RCN-145)
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Conference on frontiers of radiation therapy and oncology, San Francisco, 10/67. III, 24:29827
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VAETH, Jerome M. Ped.) Conference on hyperbaric oxygen and radiation therapy of cancer, San Francisco, 11/65, 23:41415
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  - Recovery enhancement of G_1 and G_2 meristematic cells in excised pea roots during an induced postirradiation stationary phase, 22:28390
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  - Detecting radiation with a supercooled liquid, 25:35015
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  - Nuclear photofission cross sections for photon energies up to 5 GeV, 25:59794
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  - Fission-product spectra from fast and thermal fission of ^{235}U and ^{239}Pu, 25:17855 (ANL-7678)
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  - Hungarian research on the utilization of atomic energy in food and agriculture, 25:52281 (A/CONF.49/P-323)
  - Radiation inactivation of pectin methyl esterase and cellulase preparations, 24:6007
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  - Continuous-moment sum rules and pion photoproduction data, 25:3327
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- VASAVADA, Ravindra C. Chemistry of n-$B_{18}H_{22}$ and i-$B_{18}H_{22}$, 22:37750
- VASCONCELOS, J. Current algebra and P-wave pion—nucleon scattering, 24:3684
- VASCOTTO, A. Elastic scattering of protons on deuterons at high energy, 24:40251
  - Magnetostrictive wire spark chambers system for low-energy πd and πp scattering experiment, 24:25298 (INFN/AE-69/7)
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- VASCULESCU, Tr. Effect of low x-ray doses on central nervous system, 25:58098
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  - Preparation of labeled molecules by gamma irradiation, 23:37999
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  - Investigation of short-wave end of solar spectrum, 22:790 (TT-65-50400/4-6, pp 5-15)
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  - Unification of the internal and external behavior of elementary particles, 23:46755
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  - Mass formulas associated with SU(3) multiplets and baryon wave equations, 23:34626
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  - Wave functions defined on a Riemann variety V_5 admitting locally the conform SU(2,2) as isometric group, 21:21113
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  - Spectroscopy of ^{62}Zn by ^{64}Zn(p,t) reaction, 25:17836
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  - Sound propagation in liquid ^{4}He, 23:23052
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- VLASOV, A. S. Efficiency of using hydrogen in high-current ion source with magnetized plasma emitter, 22:32385
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- VLASOV, A. V. Production of graft-polymerized materials by radiation-polymerization from gas phase, 25:21029
  - Radiation polymerization for production of polymers of isotactic structure, 23:21758
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- VLASOV, E. P. Application of mathematical methods to prospecting for uranium, 22:51119
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  - Experimental investigation of the instability of an inhomogeneous plasma, 21:3904
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- VLASOV, M. F. Behavior of ^3He in ZrT_2 and in zirconium metal, 21:44530
  - Measurement of tritium neutron cross section in energy range 0.007 to 5 eV, 22:11896
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  - Wide-gap spark chamber filled with neon and ethanol or water vapors, 21:39234
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- VLASOV, V. G. Analysis of the rate of metallic uranium oxidation process as function of the temperature, 22:28742
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  - Complex method for high-temperature analysis of the α-UO_3 disintegration process, 21:28833
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  - Effect of additions of strontium oxide on kinetics of U_4O_9 reduction by H, 24:6273
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  - In vacuo reaction of uranium dioxide with carbon, 24:25027 (UCRL-Trans-10457)
  - Influence of heterophase additions of some oxides on kinetics of reduction of U_4O_9 with hydrogen, 23:24160
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  - Kinetics of reduction of U_4O_9 with carbon monoxide, 22:45057
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  - Reduction of γ—UO_3 by H, C monoxide, and their mixtures, 22:33352
  - Reduction of orthorhombic modification of uranium trioxide by methane, 21:32159
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  - Radioastronomical studies of the velocity and size of small-scale inhomogeneities of the interplanetary plasma, 22:47959
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  - Methods for the measurement of the velocity of evaporation of refractory carbides with exposed surface in vacuum, 22:28918
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  - Resonance excitation of ion cyclotron oscillations in plasma, 24:18012
  - Resonance excitation of ion-cyclotron oscillations in a rotating plasma, 23:51725
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- VLASOVA, E. V. Form of the occurence of radium in peat, 22:33566
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  - Investigation of hexaborides of rare earths by EPR, 21:14892
- VLASSE, M. Preparation and electrical properties of $NbSe_2$ and WSe_2, 21:36911
- VLASSENKO, V. A. Boron-10 separation plant on the basis of exchange distillation of the $(CH_3)_2O.BF_3$ complex, 21:30514
- VLASSES, G. C. Use of long-wavelength, high-powered lasers for controlled thermonuclear fusion, 25:38450 (CONF-710607-48)
- VLASYUK, P. A. Albumin of haricot seed under influence of gamma-radiation, 21:28362
  - Application of nuclear radiations in investigations on plant physiology, 25:51962 (A/CONF.49/P-694)
  - Effect of fertilizers and pre-sowing irradiation of seeds by gamma-rays of ^{60}Co on the quality of maize corn, 22:33749
  - Ions of heavy metals as radioprotectors against radiation damage of plants, 21:34683
- VLATKOVIC, Milenko Radiation chemistry of ^{128}I produced by $^{127}I(n,\gamma)^{128}I$ process from alkyl iodides in hydrocarbons. I, 25:192
- VLAZNY, James Charles Acid-catalyzed reactions of exo- and endo- bicyclo [3.2.1] oct-3-en-2-ols, 23:11511
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  - Experimental investigation of film heat-transfer coefficient in the fuel element spacers area, 25:13153 (ZJE-66)
  - Rod models of fuel elements of nuclear reactors, 25:15410 (ZJE-92)
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- VLCEK, Jiri Detection of failing of U fuel element at non-active tests in flow of CO_2, 22:1885
  - Local (spot) heat transfer coefficient in fuel spacers area, 24:18623 (LIB/Trans-250)
- VLCHEK, I. Safety in the operation of fuel rods and methods of determining the safety factor, 23:52387 (JPRS-48331, pp 658-91)
- V'LCHEV, Khristo Producing molybdenum powder in a tubular rotating furnace, 22:41027
- VLEEMING, G. Distances of open clusters Tr 14, Tr 15, Tr 16, and eta Carinae Nebula, 25:47304
- VLEGGAAR, C. M. Acceptable ^{131}I concentration in air, 25:46849
- VLEGGAAR, Constance M. Environmental radioactivity at National Nuclear Research Center, Pelindaba, 23:6450 (PEL-181)
  - Environmental radioactivity at National Nuclear Research Centre, Pelindaba, 1969, 25:32401 (PEL-205)
  - Environmental radioactivity at the National Nuclear Research Center, Pelindaba, 1968, 24:23195 (PEL-192)
  - Measurement and analysis of radioactive fallout over South Africa, 25:26613
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- VOBORIL, M. Oxidation of UO_2 containing small additions of other oxides, 21:10353
  - Properties of the cermet UC—U, 22:4852 (UJV-1356)
- VOCHTEN, R. Electron microscopic study of the mixed oxide $(W_{0.35}V_{0.65})_2O_5$, 24:25798
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- VOCK, Ingrid Hydride orientation in Zircaloy tubes, 23:8218
- VOCKOVA, J. Bibliography on trace constituents determination in nuclear grade uranium, 23:13615 (UVVVR-1)
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- VO-DAI, Thien Coulomb effect on proton—proton scattering parameters, 25:12680
- VODAK, Miroslav Determination of radio-iodine in ambulatory radiological laboratories, 22:6815
- VODAR, B. Allotropy in hafnium oxide under high pressure, 23:18248
  - Study of compression of dense media using radiography, 24:36114 (LA-4425-TR)
  - Ultra-rapid radiographic study of shock waves generated in liquid argon, 25:46379 (LA-tr-71-61)
- VODAR, Boris High pressures: certain results of the compression of water in a shock wave, 25:46380 (LA-tr-71-62)
- VODEHNAL, Josef Cyclo- and cyclized diene polymers. XIII, 21:19659
- VODEN, V. G. Complex formation of americium with decanohydroxamic acid, 24:19073
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  - Comparison of the action of certain radioprotective compounds on the weight loss of submaxillary glands with their effect on rat lethality, 25:26795
  - Development of calcifications after whole-body irradiation in rats sensitized with DHT. II, 25:26977
  - Effect of time between radioprotective compound administration and irradiation on weight loss of submaxillary gland, 25:26792
  - Influence of interval between administration of radioprotector and beginning of whole-body irradiation on protective effect, 25:24215
  - Postirradiation weight changes of submandibular glands, 25:24422
  - Radioprotective effect of radioprotectors on postradiation weight loss of submaxillary glands, 25:24402
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- VODICKA, Ivan Catalase activity after whole-body irradiation of male mice, 23:38488
  - Effects of steroids on radiation sickness, 22:51775
- VODOLAZHSKAYA, I. S. Investigation of the iridium fraction radiation, 22:11954
- VODOLAZSKAYA, N. A. Separation on phosphate cellulose of the products of degradation of deoxyribonucleoprotein formed after irradiation and enzymatic actin in vitro, 25:13363
- VODOPICK, H. Splenic irradiation in chronic granulocytic leukemia, 24:32241
- VODOPICK, Helen Assessment of erythropoiesis by ferrokinetics and radiocolloid bone-marrow scanning, 23:35789 (ORAU-107, pp 136-7)
  - Cyclic leukocytosis and thrombocytosis in leukemia, 23:35914 (ORAU-107, pp 23-4)
  - Hematologic and therapeutic effects of total-body irradiation (50 R to 100R) in patients with malignant lymphoma, chronic lymphocytic and granulocytic leukemias, and polycythemia vera, 25:16259 (ORAU-112)
  - Histocompatibility test in a search for tumor antigen, 24:29644
  - Leukokinetic studies in leukemia, 23:35787 (ORAU-107, pp 21-3)
  - Mechanism of splenic irradiation, 23:35913 (ORAU-107, pp 18-20)
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  - Responses to whole-body irradiation, 23:35816 (ORAU-107, pp 6-8)
  - Spleen and liver irradiation in chronic leukemia, 21:45668 (ORAU-101, pp 90-1)
  - Total-body irradiation, 21:45667 (ORAU-101, pp 89-90)
- VODOPIVEC, F. Measurements of the thermal conductivity and electrical resistivity of high-alloy ferritic steels, 24:992 (NIJS-P-245)
- VODOPYANOV, F. A. Proton Synchrotron-injector (18 GeV) to the 1000-GeV cybernetic accelerator, 22:32343 (CEAL-2000, pp A115-16)
- VODOP'YANOV, L. K. Current oscillations in neutron-irradiated gallium arsenide, 22:41673
  - Disordered zones in InSb resulting from irradiation with fast neutrons, 22:19555
  - Radiation effects in CdTe, 25:59161
- VODOVOZOVA, I. G. Behavior of radioactive and stable strontium in meadow biogeocoenoses, 25:44776
- VODRAZKOVA, Milena Identification of radionuclides by means of punched cards, 21:40792
  - Some problems of concentration measurements of radioactive aerosols in the environments of nuclear works, 24:44130
- VODROS, D. Simple installation for the measurement of low-energy beta radiation, 21:39435
- VODROS, Daniel Measurement of the ^{90}Sr content of human bone samples, 22:38291
  - Principles concerning the evaluation of gamma spectra, 21:10615
- VODVARKA, F. J. Prediction of fire damage to installations and built-up areas from nuclear weapons, 22:33579 (AD-661851)
  - Prog. rpt. on fire analysis of urban areas after nuclear explosions, final, 3/65, 21:36551 (AD-635492)
- VODYANITSKII, A. A. Electromagnetic wave propagation in the space with a metric of a gravitational wave, 22:50455
  - Energy loss of a modulated axial current in a bounded magnetoactive plasma, 22:39121
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VOEGELI, E. Angiography, scintillation scanning, and ultrasound tomography of liver, 25:58044
VOEGELI, P. T. Sr. Geohydrology, Project Rulison, 24:22775 (USGS-474-68)
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  Radiochemical analyses of water from selected streams, wells, springs, and precipitation collected prior to reentry drilling, Project Rulison, 25:12951 (USGS-474-83)
  Radiochemical analyses of water from selected streams, wells, springs, and precipitation collected during reentry drilling, Project Rulison, 25:34728 (USGS-474-101)
  Radiochemical analyses of water samples from selected streams and precipitation collected in connection with calibration-test flaring of gas from test well, August 15—October 13, 1970, Project Rulison. Rulison-8, 25:44443 (USGS-474-107)
VOEHRINGER, O. Deformation behavior of polycrystalline metals, 25:2690
VOELCKER, H. Fuel cycles of gas-cooled high-temperature-reactors, 21:42733
  Situation of the nuclear fuel cycle industry, 25:37034
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  New plasma instabilities in the solar wind, 24:51527
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  Macroscopic quasi-linear theory of two-stream instability, 22:9398
  Macroscopic quasilinear theory of the garden hose instability, 22:39140 (N-68-17428)
  Macroscopic quasilinear theory of the garden-hose instability, 22:52832
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  Local one-particle approximations and locally conserved currents, 21:27419
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  IAEA Symposium on International Extrapolation and Comparison of Nuclear Power Costs, 22:16169
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  Diffusion coefficients of H and D in V, Nb, and Ta by Gorsky-effect measurements, 25:14440
  Diffusion of hydrogen and deuterium through niobium, 25:29820 (EUR-4593, pp 519-24)
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  Use of Aminex for separation of actinides and lanthanides, 23:38033
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VOELPEL, R. Isomeric ratios for the reactions ^{85}Rb(n,2n)/sup 84m,g/Rb and ^{85}Rb(γ,n)/sup 84m,g/Rb, 23:52130
VOELTER, Wolfgang Catalytic hydration and deuteration of steroids in the homogeneous phase, 22:33302
VOELZ, George L. Eye-survey study of nuclear-reactor workers, 22:8623
  Prog. rpt., annual, 1968, 23:41314 (IDO-12071)
  Two studies of acute internal exposure to man involving cerium and tantalum radioisotopes, 23:31631
VOEROES, T. Determiination of low plasma temperatures from relative intensities of spectral lines, 21:18646
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  Study of the distribution of radicals in irradiated organic matrices by the method of electron spin echo, 23:17476
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  Thermotransport of O in β-Zr, 21:4971
VOGEL, Daniel Lodewijk Thermotransport of O and N in β-Zr, β-Ti, Nb, and Ta, 25:653 (NP-18486)
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  Engineering development of fluid-bed fluoride volatility processes. XIV, 24:31437 (ANL-7473)
  Engineering development of fluid-bed fluoride volatility processes. Part 16. A safety manual for the engineering-scale alpha facility, 25:8446 (ANL-7672)
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  - Radial dependence of residual interaction: octupole collective states in Sn and Zr isotopes, 22:44628 (UJV-2024)
  - Structure of the ground and excited states of odd-mass deformed nuclei in the region 153 less than or equal to A less than or equal to 187, 21:7790
- VOGEL, P. Christian Relative tritium—deuterium isotope effects in the absence of large tunneling factors, 25:57430
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- VOGEL, Pierre Equilibrium deuterium isotope effects in systems undergoing rapid rearrangements. Dimethyl-tert-butylcarbonium ion and cyclopentyl cation, 25:39506
  - Equilibrium deuterium isotope effects in systems undergoing rapid rearrangements. Methyl interchange in dimethylisopropylcarbonium ion, 25:39507
  - New method for measuring equilibrium deuterium isotope effects. Isomerization of 3-deuterio-2,3-dimethylbutyl-2-ium ion, 25:39505
- VOGEL, R. C. Candidate for second-generation fuel-reprocessing plants, 21:25959
  - Chemical Engineering Division fuel cycle technology quarterly report, July—September 1970, 25:13077 (ANL-7755)
  - Chemical Engineering Division fuel cycle technology quarterly report, January—March 1971, 25:57507 (ANL-7799)
  - Chemical Engineering Division. Cross sections and burnup semiannual report, January—June 1971, 25:60035 (ANL-7824)
  - Fluid-bed fluoride volatility processing of spent reactor fuel materials, 24:22744
  - Fuel cycle technology quarterly report, April, May, June 1970, 25:2306 (ANL-7735)
  - Prog. rpt. on fuel cycle technology, 10—12/70, 25:23641 (ANL-7767)
  - Prog. rpt. on physical chemistry of liquid metals and molten salts, semiannual, 1—6/71, 25:58387 (ANL-7823)
  - Prog. rpt. on reactor safety and physical property studies, semiannual, 1—6/71, 25:52318 (ANL-7820)
  - Prog. rpt. on thermochemical studies, semiannual, 1—6/71, 25:44367 (ANL-7821)
- VOGEL, R. G. Measurements Dodewaard nuclear power plant, 24:52766
- VOGEL, R. S. Determination of Dy, Eu, Gd, and Sm in high-purity ThO$_2$, 21:38916
  - Spectrochemical determination of individual rare earth elements in uranium ore concentrates, 21:8 (MCW-1498)
  - Spectrometric determination of Dy, Eu, Gd, and Sm in high-purity ThO$_2$, 21:7 (MCW-1495)
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  - System for high field pulsing and demagnetizing multipole magnets in AGS, 23:28112
- VOGEL, Wolfgang Studies about international commercial law and atomic law. XLV, 25:41712
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- VOGELBERGER, P. J. Jr. Safety analysis associated with Pu recycle experiment in EBWR, 21:21754 (ANL-6841)
- VOGELBRUCH, K. Novel method of ^{14}C-labeling, 23:11591
  - Planning an atomic beam apparatus for investigation of elementary chemical processes of neutral particles, 25:10517 (JUL-674-RC)
  - Prog. rpt. of the theoretical and experimental groups, 1966, 22:5302 (JUL-494-PP)
- VOGELE, W. PM-3A nuclear power plant experience and changes, 21:12214 (MND-3315-1)
- VOGELE, W. A. Radioisotopes pilot plant engineering manual Cell 4 process, 21:32292 (MND-3062-24)
- VOGELER, Johannes-Heinrich Single-particle states in deformed energy-dependent potential, 23:43003
- VOGELGESANG, K. H. Healing of x-irradiated bronchial carcinoma by bronchography, 22:15053
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- VOGELSANG, William F. Prog. rpt. on radiation interactions in solids: surface and high-pressure effects, final, 12/13/68, 23:12957 (COO-1439-2)
- VOGELY, William A. Patterns of U. S. energy consumption to 1980, 21:45289
- VOGG, H. Contamination and decontamination tests with ground and fire-polished glass surfaces, 23:6279
  - Oxidation of Pu(IV) to Pu(VI) using manganese dioxide, 22:18743 (EURFNR-417)
  - Potentiometric titration of free acid and plutonium in nitric acid plutonium solutions, 22:22938 (EURFNR-418)
  - Utilization of radioactive materials in Federal Republic of Germany, 25:52105
  - Work at the Laboratory for Isotope Techniques, 24:41621
- VOGG, Hubert Decontamination of nuclear fuels to be processed, 24:9438 (ORNL-tr-1881)
  - Isotope techniques in the textile industry, 24:36511
  - Radiometric determination of velocities for different solids in the piping system of a hydraulic conveying plant, 25:37546
- VOGG, Hubert H. Method of decomposing a nuclear fuel in a fused salt system by using nitric oxide, 23:4729
- VOGL, G. Changes in length and of electric resistance of U under reactor radiation at 4.6°K, 24:21397 (CONF-680322-5)
  - Debye—Waller factor of Au in Pt after low-temperature neutron irradiation, 24:45368
  - Growth and resistivity change of U by thermal neutron irradiation, 22:44246
  - Low-temperature neutron radiation damage and recovery in magnesium, 23:3606
  - Neutron radiation damage and recovery in Be, 23:1530
  - Stored energy release of solid argon after reactor irradiation at 4.6°K, 25:30660
- VOGL, J. L. Comprehensive map of the space radiation environment, 21:20790 (AD-641509)
- VOGL, W. Debye—Waller factor of Au in Pt after low-temperature neutron irradiation, 24:45368
  - Local blood flow disturbances in tibia fractures investigated with ^{131}I-HSA, 22:25955
- VOGLER, F. Examination of coupled-channel calculations for reaction ^{24}Mg(d,p)^{25}Mg, 25:56728
- VOGLER, M. Collision-induced dissociation of H_2^+ and D_2^+ ions, 22:17396
- VOGLER, S. Synthesis and fabrication of nuclear fuel pellets from U—Pu alloy, 24:17252
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  - Energy dependence of ion—molecule reactions with negative ions, 21:13367
- VOGT, David Detector energy integration program designed to operate on NGM code output, 22:40280 (AD-667933)
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  - Calculation of production of pions by 450-MeV protons on nuclei, 22:35388
  - Effect of the lifetime of the intermediate ^{5}Li state in the reaction ^{6}Li(^{3}He,αp)^{4}He, 22:53122
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  - Reactions ^{12}C—^{12}C and the alpha-particle model, 24:1879
  - Structure-dependent asymmetry in sequential breakup from reaction ^{6}Li(^{3}He,pα)^{4}He, 21:15498
- VOGT, Erich Advances in nuclear physics. I, 22:22648
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  - Nuclear models and nuclear reactions, 24:40661 (ANS-RPD-2, pp 1-25)
  - Nuclear optical model and wave properties, 24:35909
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  - Statistical theory of nuclear reactions, 22:22652
  - Tutorial session on nuclear models, 24:40660 (ANS-RPD-2)
- VOGT, Fred B. Assessment of bone mass by roentgenographic density techniques, 25:4613 (CONF-680211-, pp 27-80)
- VOGT, Glenda S. Effects of ^{90}Sr in miniature swine, 21:14710 (BNWL-280, pp 24-8)
  - Strontium-90 induced neoplasms of swine, 25:495 (CONF-680529-, pp 453-65)
- VOGT, H. Possibility to determine mean particle size distribution through quenching effects, 25:51928
- VOGT, H. G. Computer programs for evaluation of growth factor measurements in narrow-beam geometry, 22:26449
  - Determination of dose buildup factors for γ rays in laminated shields of Fe and water, 22:13528 (ORNL-tr-1856)
  - Dose growth factor for gamma radiation in energy region 0.5 to 15 MeV in layered shields of iron and water, 22:3146 (ABS-THH-1029)
  - Exposure buildup factors for gamma radiation in stratified shields, 22:13531
  - Two computer programs for evaluation of results of growth factor measurements, 21:39389 (ABS-THH-1032)
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  - Use of computer programs for construction techniques in radiation protection. III, 22:4381 (ABS-THH-1034)
- VOGT, H.-G. Calculation of gamma ray build-up factors in multilayer shields, 23:12948 (AERE-R-5773(Vol.2), pp 449-67)
- VOGT, Hans-Heinrich Canal construction in Central America, 24:9545
- VOGT, J. Ceramic fuel elements with special reference to their production by vibratory compaction, 22:28891
- VOGT, J. H. Clinical importance of plasma growth hormone determinations in adults, 24:48364
- VOGT, J. R. Alloy addition agents for vacuum melting, 22:28759
  - Neutron activation analysis of trace elements in airborne particulates, 25:31871
  - Prog. rpt. on radionuclide and stable element analyses of environmental samples from Amchitka Island, Alaska, annual, 11/68, 25:16072 (BMI-171-110)
- VOGT, James R. Radionuclide production for the nuclear excavation of an Isthmian Canal, 23:21849
  - State-wide training and service program in forensic neutron activation analysis, 25:48466 (CONF-710402-(Vol.2), pp II.77-80)
- VOGT, James Robert Nondestructive determination of silicon and oxygen in meteorites by fast neutron-activation analysis, 25:12970
- VOGT, Jan Prog. rpt. on Agesta nuclear power and heating station, annual, 1—12/68, 24:49992 (NP-18431)
  - Vibratory compacting of spherical UO$_2$ particles. I, 23:44006
- VOGT, K. J. Additional activities of the office for environmental monitoring, 24:36555 (JUL-603-ST, pp 93-100)
  - Criteria for release of radioactive materials into the atmosphere, 24:27234 (CONF-690540-, pp 22-31)
  - Determination of the composition of natural aerosol activity with continuous filter-tape instruments, 21:4699
  - Dispersion of radioactive waste air in the atmosphere and the resulting environmental contamination, 21:10468
  - Environmental contamination and radiation burden from free radioactive materials in the atmosphere, 23:13878
  - Environmental radioactivity of Juelich Nuclear Research Center, 21:1446 (JUL-379-ST)
  - Instrumentation for diffusion experiments with radioactively labeled air vanes, 24:36410 (JUL-603-ST, pp 227-42)
  - Measurement method for air monitoring and its use in environmental monitoring of Juelich Nuclear Research Installation, 23:43757 (JUL-566-ST)
  - Measurement of the adsorption characteristics of various filters for gaseous iodine, 21:1317 (JUL-363-ST)
  - Office for coordination of radioactive emissions, 24:36730 (JUL-603-ST, pp 85-92)
  - Personal dose burden caused by nuclear research centers, 25:52061 (A/CONF.49/P-395)
  - Prog. rpt. on environmental radioactivity, annual, 1966, 22:2193 (JUL-485-ST)
  - Radioactivity in environment of the nuclear research center Juelich, 1968, 24:36729 (JUL-603-ST, pp 7-84)
  - Vertical distribution measurements of natural radioactivity in air from a meteorological tower, 24:36412 (JUL-603-ST, pp 254-9)
- VOGT, Kurt Juergen Environmental contamination and radiation burden through radioactive exhaust from nuclear facilities, 24:31487 (JUL-637-ST)
- VOGT, Kurt-Juergen Environmental radioactivity and environmental monitoring of nuclear installations, 22:18973
- VOGT, L. H. Jr. Tetracyanoquinodimethane derivatives of cyanine dyes: a model for organic superconductors, 22:36866
- VOGT, Margarete Investigations on nucleohistones. III, 21:45557
- VOGT, N. Photometric investigation of the double cluster h and chi Persei, 25:30041
- VOGT, O. Anisotropic magnetization of TmSb, 22:15592
  - Crystal field and exchange anisotropy in the magnetization of ce/sub x/Y/sub 1-x/Sb and Ce/sub x/La/sub 1-x/Sb, 25:47663
  - Crystal-field splitting and spin waves in antiferromagnetic CeSb, 25:27881
  - Electronic and magnetic properties of compounds of lanthanides with anions of 5th group of periodic table, 23:34501
  - Higher-degree exchange and anisotropic magnetization in paramagnetic Tb/sub z/Y/sub 1-z/Sb, 25:47634
  - Magnetic anisotropies in antiferromagnetic rare earth antimonide single crystals, 22:15623
  - Magnetic properties of CeAs and CeSb deduced from neutron-scattering data, 22:34804
  - Pulsed magnetic fields applied to the investigation of magnetic properties of some rare earth compound, 22:22225
- VOGT, P. Angular distributions of protons from ^{11}B(d,p)^{12}B, 24:52424
  - Interstitial Curie-therapy after radiosensibilizing using bromdesoxyuridine/bromdesoxycytidine and antimetabolites on rats, 24:51008
- VOGT, Paul G. Development and tests of small fused-silica models of transparent walls for the nuclear light bulb engine, 25:23367 (N-71-10379)
  - Initial radio-frequency gas heating experiments to simulate the thermal environment in a nuclear light bulb reactor, 23:43172 (N-69-23450)
  - Investigations to simulate thermal environment, transparent walls, and propellant heating in nuclear light bulb engine, 24:16260 (N-70-12229)
- VOGT, Peter K. Reproductive and cell-transforming capacities of avian sarcoma virus B77: inactivation with uv light, 24:51115
- VOGT, R. E. Cosmic ray negatron and positron spectra observed near Fort Churchill in 1968, 24:30173 (N-70-20441)
  - Cosmic-ray negatron and positron spectra between 12 and 220 MeV, 23:16685
  - Cosmic-ray negatron and positron spectra between 12 and 220 MeV, 23:27395 (N-69-15908)
  - Interplanetary deceleration of solar cosmic rays, 25:33092
- VOGT, R. H. Activation analysis of sodium and potassium in solid propellants, 25:57384
  - Determination of Na and K in solid propellants, 24:156
  - Thermal neutron flux in thermal column of LRL reactor, 23:4296 (AD-671182)
- VOGT, Richard H. NRL reactor operations report, 1/68—6/68, 23:31190 (AD-683655)
- VOGT, Rochus E. Electron flux near the polar cap, 23:44329
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- VOHLER, O. Deposition of pyrolytic carbon in pores of graphite bodies. I, 22:43630
  - Requirements and production problems with HTR graphite components, 24:38483
- VOHLER, O. J. Impregnation of graphite specimens using furfuryl alcohol impregnation process, 24:42199 (DP-Report-304)
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- VOHNOUT, S. Distribution of radioactivity in body following therapeutic application of ^{131}I in patients with thyroid gland carcinoma, 24:29812
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  - Therapy with radioactive iodine, complications and dosimetry, 24:29887
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- VO HONG AN Equilibrium configurations of a plasma in the magnetic field of a two-dimensional dipole. I, 24:21666
  - Equilibrium configurations of plasma in magnetic field dipole. II, 24:30279
- VOHR, J. H. Analytical and experimental investigation of turbulent flow in bearing films, including convective fluid inertia forces, 23:11691 (NYO-3930-2)
  - Super-laminar flow in bearings and seals, 22:8277
- VOHRA, K. G. Behavior of aerosols formed by clustering of molecules around gaseous ions, 23:19867
  - Gamma activity of food samples in India, 1963—65, 22:40656 (AEET-273)
  - Interhemispheric mixing of fallout debris in the monsoon regions, 24:20894
  - Measurements on airborne and surface fallout radioactivity in India from nuclear weapon tests, 1956—6/65, 21:22406 (AEET-247)
  - Mechanism of formation of Rn daughter aerosols, 21:6080
  - Nature of aerosols in nuclear operations, 23:48061
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- VOHRA, Pran Absortpion of barium sulfate and chromic oxide from the chicken gastrointestinal tract, 22:43271
  - Effect of EDTA on the preferential intestinal absorption of Zn and Mn in turkey poults, 24:16962
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- VOICE, E. Radiation-induced creep in pyrocarbon, 25:35586
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  - Boiling of liquid nitrogen in cylindrical vessels, 24:39732 (DP-Report-102)
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  - Experiments on the irradiation of graphite at high temperatures. project dragon, 24:44814 (DP-Report-351)
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- VOICE, Eric H. Dragon He purification pilot plant. II, 24:40967 (DP-Report-272)
  - Graphite specimens in uprated element, first charge position 3/1, 24:40887 (DP-Report-343)
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  - Mechanisms involved in the pharmacodynamic sensitivity changes in irradiated organisms, 25:58142
  - Observations concerning the effect of radioprotection on irradiated and burned animals, 21:10981
  - Reaction of the autonomic nervous system to some biogenic amines and to nicotine, 21:4856
  - Strontium-90 and ^{137}Cs content in atmospheric fallout, water, certain food products, and the human body, 23:24321
- VOICU, V. A. Reactivity of irradiated animals to toxic and non-toxic doses of pentetrazol and caffeine, 22:25914
  - Reactivity of rat phrenic-diaphragm preparation, 23:50845
- VOICULESCU, G. Energy dependence in the range 0.7 to 4 MeV of the neutron fission cross section of ^{239}Pu, 21:42658
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- VOICULESCU, I. Mitotic chromosomes in normal and x-ray irradiated gallus domesticus, 22:33785
  - Research on ontogenetic development and embryonal energy metabolism of normal and x-ray irradiated Gallus domesticus, 22:8636
- VOICULET, N. DNA alterations in radiosensitive irradiated mouse organism. IV, 23:47969
  - Quantitative and qualitative alterations of DNA in radiosensitive organs of irradiated mice. III, 22:25766
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  - Radioactive P (^{32}P) for complex-therapy of carcinoma of breast, 21:36659
- VOIGHT, A. F. Reactor Division, 24:18717 (IS-2100, Sect. R)
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  - Inelastic scattering of 14 MeV neutrons by ^{239}Pu, 24:49853 (CEA-R-3936)
  - Time-of-flight fast neutron spectrometry, 22:9758 (CEA-R-3254)
- VOIGNIER, Jean-Jacques Inelastic scattering of 14-MeV neutrons by ^{235}U and ^{238}U, 25:41224 (CEA-R-4132)
  - Interaction of 14-MeV neutrons with ^{238}U, 22:53167 (CEA-R-3503)
- VOIGT, A. F. Decay of 3.1 min ^{190}Re, 24:3929
  - Isomer ratio measurements for ^{91}Mo, ^{137}Ce, and ^{141}Nd produced by (γ,n) and (γ,3n) reactions, 25:20455
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  - Prog. rpt. on reactor materials development, 10-12/66, 21:13123 (IS-RD-8)
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  - Prog. rpt. on reactor materials development, 10—12/69, 24:14873 (IS-RD-20)
  - Prog. rpt. on reactor materials, 1—3/70, 24:29922 (IS-RD-21)
  - Prog. rpt. on reactor materials, 7—9/67, 22:2560 (IS-RD-11)
  - Reactions of recoil carbon atoms with oxygen-containing molecules. II. Structural dependence of carbon monoxide yields, 25:44405
  - Reactions of recoil carbon atoms with oxygen-containing molecules. III. Reaction mechanisms in methanol, 25:44406
  - Reactor division, 23:2066 (IS-1900, Paper 7)
  - Thermal neutron activation analysis for K, Ho, and La in W bronzes, 25:46453
- VOIGT, Adolf F. Determination of gadolinium and europium in their tungsten bronzes by high energy photon activation and computer resolution of gamma-ray spectra, 22:35
  - Determination of K, Rb, and Ba in their tungsten bronzes by neutron and photon activation, 21:2979
  - Determination of lanthanum, holmium, and uranium in tungsten bronzes by thermal neutron activation, 22:16446
  - Reactions of recoil carbon atoms in methanol and ethanol, 23:9439
  - Recoil reaction products of ^{11}C in simple aromatic compounds, 23:40758
- VOIGT, Bjoern Possible new type of molecular bound state, 24:49297
- VOIGT, H. Critical currents in twisted superconducting niobium—zirconium wires, 21:20898
- VOIGT, Hans Magnetic fields and critical current density in superconducting lead—bismuth alloys, 22:46050
- VOIGT, Hans-Peter Chemical reaction mechanisms for the attack of high-temperature alloys by molten sulfates, 25:55372 (CONF-690452-, Paper 5)
- VOIGT, J. W. Tap density values from irregular boron particles, 22:34043 (MLM-1458)
- VOIGT, Karl-Gerhard Syntropy of leukemia and carcinoma, 21:22613
- VOIGT, Keith L. Final rpt. on nuclear standards, 25:51287 (COO-2137-1)
  - Nuclear manpower for the utilities, 24:5777
- VOIGT, O. Application of statistical methods for the design of reactor systems, 25:36979 (IRS-T-18(1970), pp 205-15)
  - Application of statistical methods to the design of reactor systems, 25:48134 (IRS-T-18(1969), pp 195-205)
  - Hydraulic performance of the internal axial pump, 24:1992
  - Operating experience with BWR control rods of Lingen Nuclear Power Station, 24:28874
- VOIGT, Otfried Physical and thermo-hydraulic measurements during the acceptance of Lingen station, 23:19457
  - Support grid structure for a nuclear fuel assembly, 22:48780
- VOIGT, R. L. Pulse radiolysis studies of aqueous solutions of aminothiols and compounds related to nucleic acid, 25:2259 (GA-10208)
- VOIGTLAENDER, K. Radium induced subcellular tapetal changes, 25:24334 (COO-119-242, pp 243-57)
- VOIGTLANDER, J. Induction of translocations in mature Drosophila oocytes over a dose range of 10 to 500 roentgens of x rays (stage-14 oocyte/radiation damage), 25:42333
- VOIGTS, W. Spin isolation parameters for some medium-weight nuclei from neutron reactions, 21:9988
- VOIKHANSKAYA, N. F. Comparative study of the hydrogen lines in spectra of faculae and of nondisturbed photosphere, 22:13134
  - Spectrophotometric study of four K stars, 25:35636
- VOIKHANSKII, M. E. Gamma transitions under nonconservation of parity, 23:42969
  - Nuclear matrix elements of β decay of deformed nuclei, 24:35925
  - Problem of penetration effects in internal conversion, 21:4341
  - Rassey wave functions and γ transitions in deformed nuclei, 23:42970
- VOIKULESKU, G. Mechanism of ^{239}Pu fission by muons, 23:3997 (JINR-P1-4051)
- VOILAND, E. E. Prog. rpt. on nuclear safety, 1—3/67, 23:11251 (BNWL-433)
  - Prog. rpt. on nuclear safety, 4—6/67, 22:12008 (BNWL-537)
- VOILLEQUE, P. G. Calculation of burdens and doses resulting from acute exposure to a radioactive aerosol, 22:51566 (IDO-12067)
  - Prog. rpt. on controlled environmental radioiodine tests at NRTS, 1967, 23:26767 (IDO-12065)
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VOLPE, John J. Monte Carlo calculation of the thermal neutron activation in light-water-moderated uranium cells using ENDF/B cross-section data, 25:12859

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  Electron energy spectrum from Ar$^+$—Ar and H$^+$—Ar collisions, 21:2035
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  Incoherent production of rho^0-mesons from nuclei and vector dominance, 23:51877 (DESY-69/30)
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  - Tunneling into weakly coupled films of tin and aluminum in proximity. II. From the tin side, 25:40549
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  Mass spectrometric observations of gaseous boron selenides, 24:22520 (COO-1029-33)
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WAHLBERG, T. Personnel dosimetry at AB Atomenergi, 1966, 22:31057 (AE-312)
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WAHLE, P. Collision dominated sheath in weakly ionized plasmas. II, 25:19673 (DLR-FB-69-78)
WAHLE, Peter Collision-dominated boundary layer in a weakly ionized plasma, 24:32834
WAHLEN, H. Measurements of polarization of protons from deuteron photodisintegration, 23:19143
WAHLEN, M. High-efficient 4π-proportional low level counter for x-ray sources, 23:11773
  Low-level counting and a search for cosmic-ray-produced ^{39}Ar, 22:6577
WAHLGREN, M. Fast-sum coincidence spectrometer and sensitivity compilation for activation analysis, 21:12304
  High-intensity ^{241}Am—Be—^{242}Cm neutron source, 24:166
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  Detection sensitivities in nuclear activation with an isotopic neutron source, 21:12274 (ANL-7242)
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  Evaluation of a ^{244}Cm—Be neutron source for activation analysis, 25:50604 (CONF-710402-(Vol.2), pp I.112-16)
  Optimal detection sensitivities in activation with fast neutrons, 23:11468
WAHLIG, M. High-Z cylindrical spark chamber, 22:24777
WAHLIG, M. A. 2π^0 mass spectrum and delta$_0^+$ from $\pi^- + p \rightarrow \pi^0 + \pi^0 + n$ at 10 GeV/c, 25:1420
  Differential pion charge-exchange scattering and eta production, 22:26566
  Failure to observe a meson decaying into $\pi^+\pi^0$ in the reaction $\pi^+ + p \rightarrow \pi^+ + p$ with 968-MeV/c incident π^+, 22:11593
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WAHL-SYNEK, R. Repair of damage induced by a monofunctional alkylating agent in Bacillus subtilis, 21:18011
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WAHMAN, La. A. Effect of stoichiometry on the thermal expansion of TaC/sub x/, 21:46008
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WAHREN, Manfred Detection of kinetic deuterium isotope effects in nucleophilic substitutions in bischloronitroso compounds, 21:5878
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  - Retention of optical configuration during energetic chlorine atom exchange in gaseous alkyl halides, 21:36042
  - Stereochemistry of energetic Cl atom exchange in alkyl halides, 24:9403
  - Thermal and hot reactions of Cl atoms with cis- and trans-1,2,dichloroethylene, 23:17469
- WAI, Chien Moo Recoil chlorine reactions in alkyl chloride systems, 22:47163
- WAI, Chun-chung Dome morphological mutant linked to the B incompatibility factor of Schizophyllum commune, 25:55186
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  - Effect of x-rays on the autohydrolysis of ethylene glycol monoacetate, 23:4661
  - Post-oxidation on radiolysis of alcoholic ferrous sulfate solution, 21:10389
- WAIBEL, E. Calculation of pile-up spectra, 24:2489
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  - Finite solid angle correction factors for gamma-rays using thresholds in the pulse height distributions, 25:15897
  - Geometric factors for angular correlation measurements with gamma radiation, 25:57733
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- WAICENBAUER, W. Question of the existence of (U Dipy$_3$)(SCN)$_4$, 24:41244 (LIB/Trans-283)
  - Question of the existence of (UDipy$_3$)(SCN)$_4$, 21:15884
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- WAIDE, C. Safety review of Brookhaven Chemonuclear In-Pile Research Loop, 23:7394 (BNL-13001)
- WAIDE, Charles H. Brookhaven Chemonuclear In-Pile Research Loop, 21:38694
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- WAIDELICH, D. L. Analysis of magnetic fields in a metal, 23:43473 (ANL-7551)
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- WAIDELICH, W. Changes of surface conductivity in Ge during x-irradiation, 25:11963
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  - Effects of x radiation on MOS devices at 79K, 25:42234
  - Evidence for Frenkel defect formation in low-temperature x-irradiated KC1 and KBr, 22:31981
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  - X-ray production of vacancies in KCl at low temperatures, 21:29365
  - X-ray surface photoconductivity in n- and p-type InSb, 23:18739
  - X-ray-induced conductivity changes in Ge, 24:15401
- WAIDMANN, G. Acoustic perturbations in pulsed rf plasma, 24:21788
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  - Toroidal high β experiments in compact axisymmetric configurations, 25:38381 (CONF-710607-114)
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  - Excitation functions for the bombardment of ^{56}Fe with protons, 24:38158
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  - Stability constants of fluoride and sulfate complexes of Np(V) and Np(VI), 24:38820
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- WAINE, P. Replicate for cheaper nuclear power, 21:12185
  - Why on-load refuelling for nuclear reactors, 21:27727
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  - Analysis of oceanographic samples by 14-MeV neutron activation, 25:2119 (CONF-700322-, pp 221-30)
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  - Solar proton activation of the lunar surface, 21:9272
- WAINIO, Kendle M. Prog. rpt. on calculated specific yield functions for neutron monitors, final, 5/15/67—5/14/68, 22:51218 (AD-672313)
- WAINIO, Kendle Murray Calculated gamma ray response characteristics of semiconductor detectors, 21:17887
- WAINSCOTT, G. G. Gamma ray energy tables for neutron activation analysis, 24:27011 (WSUNRC-97)
- WAINSON, A. A. Effect of α-particle microbeam irradiation on the synthesis of deoxyribonucleic acid in tissue culture, 21:8686
- WAINTAL, A. Transformation under high pressure of the hexagonal form of MnT'O$_3$ (T' = Ho, Er, Tm, Yb, Lu) into a perovskite form, 22:4799
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  - Geometric properties of neutrino fields in curved space—time, 25:41086
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  - Invariance properties of spinor Lagrangians. II, 23:37000
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- WAISMAN, E. Strange-particle production at 2.75 GeV/c. I, 21:27311
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  - Mode conversion at vlf in the Earth—ionosphere waveguide, 22:47987
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  - Resonances of the thin-shell model of the earth—ionosphere cavity with a dipolar magnetic field, -21:35103
  - Theory of a plasma resonance probe in a magnetic field, 21:7192
  - Theory of electromagnetic coupling phenomena in Earth—ionosphere cavity, 22:36847
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  - ACOUST-S: digital program for acoustic triangulation of spherical vessels, 24:25230 (IN-1369)
  - Field evaluation of heavy-walled pressure vessels using acoustic emission analysis, 25:51742
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- WAITE, R. J. Effect of methane on rate of exchange of ^{14}C between CO and CO$_2$ under radiation, 22:2162
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- WAJDA, Stanislaw Isotopic exchange as a criterion of the structure of octahedral [Me(CNS)$_6$]/sup n-/ complexes. II, 21:8293
  - Isotopic exchange of radiochlorine in system (MoCl$_6$)$^{3-}$—^{36}Cl$^-$, 25:34583
  - Radioisotopic exchange in [Cr(C$_2$O$_4$)$_3$]$^{3-}$—^{14}C$_2$O$_4$$^{2-}$ system, 25:46480
  - Radioisotopic exchange of ligands in chloro- and thiocyanatomolybdates(III), 25:54558
- WAJIMA, J. T. Experimental studies of microparameters of clusters of seven nuclear superheat reactor fuel rods, 22:10067
  - Experimental studies of UO$_2$—H$_2$O lattices of uniformly arrayed rods and clustered elements, 22:22760
  - Lattice studies of clusters of UO$_2$ fuel pins, 23:4341
- WAJIMA, J. Tsunetaka Simple method for control rod worth evaluation with diffusion codes, 21:27699
  - Studies of UO$_2$—H$_2$O uniform lattices, 25:34435
- WAJIMA, Takeshi Relationship of lactic dehydrogenase isozymes to the metabolism of cultured human leukocytes, 23:4485 (ABCC-TR-7-66)
- WAJIMA, Tsunetaka Device for producing a nuclear-reactor reactivity, 22:10100
  - Experimental studies on thermal reactor physics, 23:11307
  - Experimental study of boundary region behaviors in multi-region cores, 21:14094
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  - Some new applications of neutron slowing down time spectrometry, 25:15921
- WAKABAYASHI, J. Analysis of space-dependent reactor kinetics by modified Helmholtz modal expansion method, 24:47954 (CONF-680980-, pp 307-20)
  - Pile-oscillator measurement and theoretical study of space-dependent transfer function of a reflected assembly, 24:47971 (CONF-680980-, pp 321-35)
- WAKABAYASHI, Jiro Analysis of space-dependent dynamic properties of power reactors, 25:60240
  - Approximate calculation method of lambda, ωp and ωd eigenvalue problem of the group diffusion equation, 24:43849
  - Calculation of space-dependent reactor transfer function by few-pole expansion method, 22:35700
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  - Activity of succinic acid dehydrogenase, NADH cytochrome c-reductase, and L-amino acid oxidase in mouse liver mitochondria after in vivo irradiation, 22:31009
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WALTERS, J. P. Partial molar heat capacities of some aqueous rare earth chlorides, nitrates and perchlorates from tenth molal to saturation at 25°C, 23:13689 (IS-1988)
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  - Stabilization of Pu β phase in Pu—Ti alloys, 25:2739
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- WARD, B. Q. Inoculated pack studies on low-dose irradiated marine products: shrimp, 24:12339 (ORO-3698-3)
  - Inoculated pack studies on low-dose irradiated marine products: shrimp, 25:8804 (TID-25556)
  - Low-dose irradiated shrimp, 23:18156 (CONF-681006-, pp 73-6)
  - Prog. rpt. on inoculated pack studies on low dose irradiated marine products: shrimp, annual, 5/1/68, 22:49663 (ORO-3698-2)
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  - Measurement of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ at large momentum transfers, 24:32966
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- WARD, C. H. Prog. rpt. on synthesis, identification and purification of C_6 and C_7 fluorocarbons from radiolysis, annual, 1969, 24:7443 (ORO-3909-1)
  - Prog. rpt. on synthesis, identification, and purification of C_6 and C_7 fluorocarbons from radiolysis, 11/70, 25:4111 (ORO-3909-2)
  - U—U monophosphide phase equilibria, 22:40090
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  - Preshot and postshot safety survey of oil and gas facilities, Baxterville field, Mississippi: Sterling Event, 22:25559 (VUF-1041)
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  - Determination of ^{137}Cs and related sampling problems of dairy cattle feeds, 1962—67, 22:51616
  - Fallout ^{137}Cs: direct aerial transfer as an important source of foliar deposition, 21:39414
  - Relation of ^{40}K to moisture and fat of ground beef, 21:36530
  - Transport of ^{137}Cs from fallout to milk, 24:7789
- WARD, Gerald M. Balance of ^{137}Cs and K, and whole-body levels in young male subjects, 22:38218
  - Body composition of live animals as determined by ^{40}K, 21:32116
  - Cesium-137 in milk from the Colorado State Univ. dairy herd, 1962-1967, 23:16326
  - Feeding practices as a means of reducing the concentration of fallout ^{137}Cs in cow's milk, 21:380
  - Food chain transfer of ^{137}Cs from troposphere to man, 23:38553 (COO-1171-103)
  - Gamma-emitting fallout in surface air at Fort Collins, Colo., 1962-1967, 23:16325
  - In-vivo gamma-ray spectrometer for isotope metabolism studies in cattle, 21:1648
  - Influence of dietary K, Rb, or Na on retention time of radiocesium, 22:28341
  - Metabolism of radioactive Cs and K by dairy cattle, 22:30978
  - Prog. rpt. on food chain transfer of ^{137}Cs from troposphere to man, annual, 1/15/68, 22:21460 (COO-1171-82)
  - Prog. rpt. on food-chain transfer of ^{137}Cs from troposphere to man, annual, 1966, 21:26409 (COO-1171-62)
  - Protection of milk supplies from nuclear contamination, 22:43337
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- WARD, Helen L. Combined subject and author indexes to radiobiology bibliographies: TID—3097 and TID—3098, 21:30919 (TID-3099)
  - Radioisotopes in the biological sciences, 21:20030 (TID-3585)
- WARD, I. R. Irradiation creep in several metals and alloys at 100°C, 22:2670
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  - Prog. rpt. on fissiochemical development, semiannual, 7—12/65, 21:10368 (AGN-8178)
  - Radiation chemistry of aqueous poly(ethylene oxide) solutions. I, 24:11634
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- WARD, J. F. Deoxynuceotides: models for studying mechanisms of strand breakage in DNA 1, 25:16216 (UCLA-12-799)
  - Effect of chloride ions on γ-radiation induced destruction of nucleic acid bases, 23:40743
  - Effect of chloride ions on γ-radiation induced destruction of DNA, nucleosides, and nucleotides in aqueous solution, 24:29309 (UCLA-12-775)
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  - Studies on the chemical basis of cellular radiosensitization by 5-bromouracil substitution in DNA. I, 24:48435
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  - Parametric analysis of radioisotope thermionic generators, 21:5111 (NASA-TM-X-1312)
  - Parametric analysis of radioisotope—thermoelectric generators, 22:38844 (N-68-14630)
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  - Electron spin resonance studies of free radicals formed from orotic acid, 25:4093
  - Electron spin resonance studies of free radicals in irradiated single crystals of 5-methylcytosine, 25:51490
  - X-ray induced binding of N-ethylmaleimide to DNA, 23:14122
- WARD, John H. Fraunhofer holography for bubble chamber photography, 22:38091
- WARD, John W. Method for correcting Knudsen vapor pressures for cell-vapor interactions, 21:47019 (LA-DC-8786)
- WARD, L. D. Programmed control of autonomous transfers in a CAMAC system, 23:41129 (EUR-4289, pp 395-7)
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  - Radiolysis of aqueous solutions of Ru(III) hexa-ammine chloropenta-ammine, 24:38900
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WARD, Robert George Power plants, 25:60141
WARD, Roland Preparation of β-molybdenum nitride, 24:30028
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WARD, S. Faraday Q-switch, 21:38816 (CLM-R-73)
WARD, S. A. Electron-beam aging of phosphors, 21:29387
WARD, S. H. Airborne geophysical methods, 24:44115
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Direct correspondence between x-ray microbursts and impulsive micropulsations, 21:11544
Interplanetary magnetic field data and corresponding geomagnetic effects for storm of Oct. 7, 1962, 21:31336
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WARREN, John C. Single- and double-electron capture by 7.2- to 181-keV ^{3}He^{++} ions in He, 22:13231
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  - Nuclear quadrupolar relaxation in solid and liquid $AuGa_2$, $Au_{0.95}Pd_{0.05}Ga_2$, and $AuIn_2$, 25:43496
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  - Precipitation of Ni_3Nb phases in a Ni—Fe—Cr—Nb alloy, 25:2689
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  - Elastic scattering of ^{3}He from ^{12}C from 18 to 24 MeV, 23:21256 (AD-673541)
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  - Nonrelativistic nuclear reaction kinematic crossover angles, 23:19024 (AD-672932)
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  - Oxidation of 4a,4b-dihydrophenanthrene. IV, 24:38831
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- WARTENA, J. Large area fission fragment detector with fast response, 21:3254
  - Thermal cross section of ^{6}Li(n,α) and ratio of ^{10}B(n,α) to ^{6}Li(n,α), 25:53594 (CONF-701002-, pp 125-8)
- WARTENA, J. A. Fission cross section measurements on ^{235}U, 23:5918
  - Fission cross-section measurement on ^{235}U, 22:30005
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- WARWICK, J. W. Decametric radio spectra and positions during the flare of July 7, 1966, 0041 UT, 23:22797
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  - High time-resolution studies of Jupiter's radio bursts, 21:27062
- WARWICK, James N. Particles and fields near Jupiter, 25:22346 (N-71-10051)
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  - Fine structure in spectra of Jupiter's decametric radiation, 24:19707
  - Model for type-IV emission in the solar burst of June 9, 1959, 22:52322
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  - Survey of defects in pressure vessels built to high standards of construction and its relevance to nuclear primary circuit envelopes, 23:26398 (AHSB(S)R-162)
  - Survey of pressure vessels built to a high standard of construction, 25:5983 (RISO-214, pp 323-34)
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  - Influence of surface treatment on corrosion of two Zr alloys in high-temperature pressurized water and superheated steam, 22:617 (EURAEC-1894)
  - Influence of surface treatment on the corrosion of stainless steels and Zr alloys, 21:30962
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  - Solid reaction products of catalytic decomposition of C monoxide on Fe at 550°C, 23:19734
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- WASASTJERNA, Frej Fast method of computing the contribution from interference scattering of neutrons to the integral J(theta,α,β), 25:12840
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  - Operating experience with a modular digital data system for high energy physics, 24:39357
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- WASHBURN, Beverly W. Note on a class of amplitude modulation detectors, 21:5736 (LA-3620)
- WASHBURN, J. High-voltage electron microscopy study of slip band growth in copper, 25:3988 (UCRL-19601)
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- WASHBURN, Jack Effect of initial dislocation density on single slip strain hardening of copper, 22:659 (UCRL-17774)
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Investigation into structural behavior and safety of spherical prestressed concrete pressure vessel, 22:22862 (TRG-Report-1204(Pt.4))

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  Implications of embrittlement during the life of a zirconium pressure tube reactor, 22:21728
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WATKINS, Bruce O. Jr. Strange particles from π^-d interactions at 3.15 GeV/c, 25:19922
WATKINS, C. B. SPHERE2: two-dimensional heat conduction and trajectory computer program for reentry heating of small spherical bodies, 22:21274 (SC-RR-67-2996)
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  Defects in irradiated silicon: EPR and ENDOR of aluminum—vacancy pair, 21:23278
  EPR and ENDOR of defect in irradiated Si, 22:52854
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WATKINS, J. Wade Hydrocarbon production with nuclear explosives, 24:41500 (CONF-700101-(Vol.1), pp 567-76)
WATKINS, Joel S. Seismic detection of near-surface cavities, 22:37894 (N-68-12023)
WATKINS, L. L. Radiation response of LiF at low doses, 22:40473
WATKINS, M. L. Numerical and laboratory experiments in the Polytron configuration, 25:38413 (CONF-710607-44)
WATKINS, N. D. Primary oxidation variation and distribution of uranium and thorium in a lava flow, 21:22058
WATKINS, P. J. Treatment of polycythemia vera, 22:8611
WATKINS, R. A. Weber—Schmidt equations for thermomolecular pressure difference of ^{3}He and ^{4}He, 21:3764 (MLM-1363-J)
WATKINS, R. D. Computer control of experiments in atomic physics, 25:55094
WATKINS, R. M. Decontamination development work at General Atomic, 21:43426
WATKINS, R. V. Hot-extruded chromium composite powder, 21:41582
WATKINS, Reed A. Thermomolecular pressure difference measurements for precision ^{3}He and ^{4}He vapor-pressure thermometry, 21:13481
WATKINS, W. J. Bibliography of mass spectroscopy literature for the first half of 1967 compiled by a computer method, 22:30429 (IS-1829)
  Bibliography of mass spectroscopy literature for the last half of 1967 compiled by a computer method, 24:31224 (IS-2058)
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WATKINSON, A. High resolution solar observations at three frequencies, 24:1214
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WATRAS, J. Retention of ^{89}Sr in rats, 23:50300
WATRAS, Jan Iron metabolism studied with the isotope ^{59}Fe in experimental lead poisoning, 21:6464
WATROUS, J. D. High-temperature compatibility testing of radioisotope fuel-container systems, 22:4356
  Plutonia/Curia compatibility testing. Quarterly report No. 5, October—December 1969, 24:44655 (MDC G-1675)
  Prog. rpt. on plutonia/curia compatibility testing, 10/10/68—12/31/68, 23:24842 (DAC-60777)
  Prog. rpt. on plutonia/curia compatibility testing, 1—3/70, 24:36505 (MDC G-1689)
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  - Novel method for the determination of the solubility of solutes in liquid metals, 25:49413 (RD/B/N-1874)
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  - Use of gamma-ray excited x-ray sources in x-ray fluorescence analysis, 21:27905
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- WATTECAMPS, E. Fast-reactor spectrum investigations on the facilities SUAK and SNEAK at Karlsruhe, 22:4432
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- WATTELET, P. L. FFTF barriers to fuel failure propagation, 25:41543
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  - Plasmolysis and permeability of alpha-irradiated epidermal cells of A. cepa L, 21:28678
- WATTERICH, A. ESR of Ni^{2+} in AgCl and isotope effect in crystal field, 23:40667
  - ESR studies of V centers in NaCl(Ca^{++}) crystals, 23:18740
  - Mechanism of x-ray coloration in KCl(Ca), 22:48192
  - Model for V centers stable at room temperature in x-irradiated KCl(Ca) crystals, 21:46421
  - V centers stable at room temperature in NaCl(Ca), 24:15386
- WATTERS, J. W. Bibliography on whole-body irradiation effect related to canine treadmill performance decrement, 25:11251 (AD-705976)
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  - Hazards implication of transfer of unsupported ^{210}Po from alkaline soil to plants, 24:27564
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  - Prog. rpt. on study of unsupported ^{210}Po for ion exchange in soils and uptake in vegetation, 1969—70, 24:34187 (COO-1733-10)
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  - Translocation of Pu and Am from puncture wounds, 24:14390 (COO-1787-8)
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- WATTS, F. C. Quantification of glomerular filtration for each kidney simultaneously by a radioisotopic technique employing meglumine diatrizoate-^{131}I, 23:45824
- WATTS, G. C. List of unclassified documents, lectures, etc., by staff of Chemistry Division and Analytical Sciences Division, Harwell, 1966, 21:21855 (AERE-Bib-152)
- WATTS, G. K. Laser irradiation of eye. II, 24:2803
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- WATTS, H. Aqueous nonelectrolyte solutions. IX, 25:39484
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- WATTS, J. Effect of heat source boundary conditions on temperature distributions in transverse and helically ribbed AGR fuel pins, 25:39253 (RD/B/N-1932)
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- WATTS, James Fred Neutron transport theory with a completely degenerate energy transfer kernel, 23:28224
  - Neutron transport theory with a completely degenerate energy transfer kernel, 24:26575 (TID-25310)
  - Neutron transport theory with a completely degenerate energy transfer kernel, 25:20236 (TID-25648)
- WATTS, John W. Film degradation resulting from magnetically trapped protons in ATM orbits, 25:23934 (N-70-37568)
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- WATTS, R. Diffusion of ^{233}U fission products and ^{233}Pa from coated fuels, 24:40983 (DP-Report-137)
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- WATTS, R. O. Ground state of liquid ^{4}He, 24:49081 (COO-1569-61)
- WATTS, Richard J. Deuterium isotope effects on the lifetime of the phosphorescent triplet state of naphthalene, 23:2294
  - High-temperature ionization chamber for detecting low-level plutonium contamination, 21:10640
  - Phosphorescence lifetimes of dideuteronaphthalenes, 23:35087
- WATTS, Richard James Radiationless transitions in benzene and naphthalene, 24:18958
- WATTS, Richard S. ^{125}I-oil red O: chromatography, radiopurity, and lipid binding, 25:37840
- WATTS, T. D. Properties of tungsten and tungsten alloys for reactor shielding applications, 23:33953 (Y-1675)
- WATTS, T. L. MIT PEPR system for measurement of bubble chamber film, 24:7679 (CONF-690301-, pp 454-65)
  - New absorption model for hadron collisions, 24:3675
  - Peripheral model predictions for π^0 and eta^0 photoproduction, 23:51878 (DESY-69/31)
  - Peripheral model predictions for π^0 and eta^0 photoproduction, 24:1553
  - Status of MIT's PEPR's, 25:13248 (CERN-70-21(Vol.1), pp 233-42)
- WATTS, Terence L. PEPR's ionization measurement, 23:33512 (ANL-7515, pp 382-9)
  - Proceedings of second international colloquium on PEPR, Cambridge, Mass., 5/70, 25:6560 (MIT-2098-660)
  - Scanning and measuring photographs of bubble chamber tracks using computer controlled line segment (PEPR), 22:38092
- WATWOOD, V. B. Defect study: pressure vessel CSE reactor vessel simulator, 25:48283 (BNWL-1554)
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  - CSE pressure vessel defect study, 24:38590 (BNWL-1397)
- WATY, J. Carbon deposition from CO on Fe surfaces, 25:746 (DP-Report-317)
  - Prog. rpt. on growth of C deposition from CO, annual, 3/64—2/65, 24:42200 (DP-Report-394)
  - Solid reaction products of catalytic decomposition of C monoxide on Fe at 550°C, 23:19734
- WATZ, J. Prog. rpt. on irradiation preservation of freshwater fish, annual, 4/15/66—4/14/67, 23:12256 (TID-24776)
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- WAUER, D. Theory of wave propagation in solid-state plasma waveguides in a direction normal to the magnetic field, 22:1284
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- WAUNG, H. F. Positron lifetimes in solid and liquid metals, 22:52532
- WAUNG, Hsi Fong Positron annihilation centers in NaCl, 25:17291
- WAVE, A. R. Gamma-radiation damage of organic scintillation materials, 25:35079
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- WAVY, R. T. Extinction by rough particles and use of Mie theory, 25:33018
- WAWER, Andrzej Carbon-14 exchange studies in ^{14}CO$_2$—CO—quartz walls, 25:10541
- WAWER, W. Modular electronic system for computer-aided nuclear experiments, 25:23910 (HMI-B-102)
- WAWRA, E. Repair of strand breaks in Chlorella-DNA caused by gamma irradiation, 25:35257
- WAWRUKIEWICZ, Anthony S. Astronomical properties of M supergiants, 25:30055
  - Spectral-type indicator for M giants and supergiants at lambda7125, 25:22270
- WAWRZKIEWICZ, M. Serum proteins under increasing doses of radium gamma radiation, 24:29884
- WAWRZKIEWICZ, Marian Concentration of Na, K, Ca, and bicarbonate ions in serum samples, 23:2749
  - Cytological picture of the cervical epithelium after intravaginal application of radioactive mineral spring water, 23:4975
- WAWRZYCZEK, Wiktor Volumetric determination of La using sodium tungstate, 23:40562
- WAWSCHINEK, O. Morpholine-N-dithiocarboxylic acid morpholinium as reagent in quantitative analysis. V, 22:42609
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- WEINBREN, M. P. Mosquito population in irradiated forest at El Verde, 25:21819 (TID-24270, pp E.159-67)
  - Natural virus cycles before, during, and after irradiation, 25:21970 (TID-24270, pp F.57-65)
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- WEINDEL, Werner A rapid method for separation of radiocesium from water samples, 23:40847
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- WEINFLASH, D. Lifetimes and fine structure of the metastable autoionizing (1s2s2p)^{4}P/sub J/ states of the negative helium ion, 24:32619
- WEINGART, E. Large closed-cycle water reactor summary report, 23:13419 (WCAP-3269-75)
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- WEINGART, R. C. Fabrication of thin NaI(T1) scintillation layers for low energy x-ray detection, 21:39217
- WEINGART, Richard C. Scintillation characteristics of thin NaI(Tl) and CsI(Tl) layers, 22:19100 (UCRL-70773)
- WEINGART, S. W. Users manual for GENASY: an off-line assembler for the Varian 620/i computer, 24:16338 (BNL-14337)
- WEINGARTEN, Don Large-angle scattering by optical potentials, 24:40420
- WEINGARTEN, Donald Optical model of elastic proton—proton scattering, 25:3413
  - Optical model of elastic proton—proton scattering, 25:47898
- WEINGARTSHOFER, A. Absolute cross sections for (e,H_2) collision processes, 24:37256
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- WEINHARDT, K. Electromagnetic wave propagation in cylindrical plasma with magnetic field, 21:27130 (IPP-2/59)
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  - Procedure for evaluating PWR containment performance during loss-of-coolant accidents, 22:5978
- WEINHOUSE, Sidney Proceedings of the sixty-second annual meeting of the American Association for Cancer Research, April 8—10, 1971, Chicago, Illinois, 25:26789
- WEINIG, J. F. X. Prog. rpt. on SNAP-21 program, 10—12/66, 21:14390 (MMM-3691-12)
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- WEINMASTER, R. R. Precision 295 microsecond delay device, 25:51327 (SC-DC-713816)
- WEINREB, A. Vacuum ultraviolet excited luminescence of pure and doped polystyrene, 23:2615
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- WEINREB, Michael Philip Regge poles and π-p scattering at high energies, 21:33759
- WEINREICH, G. Vortex wheels in superfluid helium, 22:34554
- WEINREICH, J. Anemia and thrombocytopenia resulting from x-ray and cytostatic, 23:35926
  - Effects of x irradiation in chronic lymphadenosis, 23:29832
- WEINREICH, R. Fallout from the Chinese nuclear explosion on September 29, 1969, 25:280
- WEINREICH, W. A. Variational calculation of complex modes of xenon spatial oscillation, 21:38558
  - Variational calculation of complex natural modes of xenon oscillation, 22:3849 (WAPD-TM-673)
- WEINREICH III, William Arthur Crystalline-binding effects on reactor physics parameters, 24:18773
- WEINSTEIN, A. Computer program for determination of reactor thermohydraulic studies for MCR parametric studies, 22:32920 (GMAD-3078-23)
- WEINSTEIN, D. High-temperature ductility of 300 series steels and Incoloy-800 after irradiation in EBR-II to 2 x 10^{22} n/cm^2, 22:4832
- WEINSTEIN, G. Sigma leptonic decay using an HPD in a pattern recognition mode, 23:33504 (ANL-7515, pp 256-65)
- WEINSTEIN, Louis Effect of x irradiation on the rat fecal microflora, 22:6927
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- WEINSTEIN, M. Simple technique for collecting $^{14}CO_2$ under reduced pressure for liquid scintillation counting, 22:43060
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  - Deposition of SiC onto quartz filaments, 22:7043
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- WEINSTEIN, Martin S. 1970 sea-level cosmic-ray neutron measuremens, 25:24928 (HASL-241)
  - Experimental error propagation in unfolded stray neutron spectra, 24:44243 (CONF-691101-, pp 516-36)
- WEINSTEIN, Marvin Experimental tests for theories of chiral-symmetry breaking, 24:18262
  - K/sub 13/ decays and SU(3) breaking in Brandt—Preparata approach, 25:14649
  - Soft pions, chiral symmetry, and phenomenological Lagrangians, 23:46777
  - Theorem on form factors in K/sub 13/ decay, 23:32694
- WEINSTEIN, R. Experimental quantum electrodynamics, 22:22276 (CONF-670923-, pp 409-51)
  - Forward photoproduction of vector mesons from H at energies from 6.5 to 17.8 GeV, 22:44307
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  - Neutral-boson photoproduction on hydrogen at high energies, 24:24208
  - rho,ω photoproduction phase: possible breakdown in vector dominance, 25:5327
- WEINSTEIN, Richard H. Computer experiments on the microscopic theory of plasmas, 21:44055 (NASA-SP-153, pp 3-23)
  - Computer experiments on the microscopic behavior of one-dimensional plasmas, 23:27628 (N-69-10471)
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- WEINSTEIN, S. Catalog of SHA experiments and calculations, Suppl. 1, 21:38664 (KAPL-M-6701)
  - Cross section sensitivity calculations for small hydrogen moderated systems, 21:17269 (KAPL-M-6563)
  - Low-energy ^{235}U anti τ measurements, 23:5931
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  - Rapid procedure for liquid scintillation counting of animal tissves using a nitric acid digestion procedure and a dioxane-based scintillator, 25:15529
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  - Neutron multiplicity—spin state correlations for ^{239}Pu resonances, 23:13290
- WEINSTEIN, Suzanne T. Effects of reactor radiation on 22-volt silicon voltage regulator diodes, 23:26630 (N-69-10250)
  - Effects of reactor radiation on 4.7-volt silicon voltage-regulator diodes, 24:25345 (N-70-16345)
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- WEINSTOCK, B. Mass spectrometric studies of rate constants for addition reactions of hydrogen and of deuterium atoms with olefins in a discharge-flow system at 300°K, 25:39497
- WEINSTOCK, Bernard Electron-diffraction investigation of hexafluorides of tungsten, osmium, iridium, uranium, neptunium, and plutonium, 22:33436
  - Heat capacity, enthalpy of fusion, and thermodynamic properties of NpF_6 from 7 to 350°K, 24:27080
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- WEINSTOCK, Eugene V. Criticality measurements on nearly homogeneous enriched uranium—graphite systems, 23:4382
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- WEINSTOCK, H. Effect of colloids on the thermal conductivity of γ-irradiated KCl, 25:52904
  - Evidence of colloids in below 1°K thermal conductivity of γ-irradiated KCl, 22:44207 (COO-1629-8)
- WEINSTOCK, Harold Conference on applications of cryogenic technology, Chicago, 6/68, 24:10468
  - Conference on cryogenic technology, Chicago, 6/67, 24:23936
  - Prog. rpt. on thermal measurements on solids below 1°K, annual, 1/1/68, 22:20040 (COO-1629-3)
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  - Prog. rpt. on thermal measurements of solids below 1 K, 2/71, 25:22629 (COO-1629-24)
- WEINSTOCK, Jacques J. Guide for probe assembly of portable radiation backscatter measuring instrument, 24:48336
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- WEINSTOCK, Jerome Aspects of collisional diffusion transverse to a stable magnetic plasma, 22:17616
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- WEINZIERL, P. Neutron-transmission method for nondestructive determination of plutonium isotopes in fuel elements, 22:4035
  - Prog. rpt. on beta spectrum of neutron decay in coincidence with recoil protons, annual, 2/1/65—1/31/66, 21:7452 (AD-637480)
  - Prompt γ rays of ^{252}Cf-fission, 24:8893 (SGAE-PH-86/1969)
  - Rise-time discriminator for proportional counters, 23:31541
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  - Measurement of angular correlation coefficient in neutron decay, 25:45646 (AD-716464)
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- WEIR, R. A. Energy-dependent modulation in auroral x-ray pulsations, 22:2958
  - Intense auroral zone x-ray event in the 4- to 5-sec period range, 22:22018
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- WEIRICK, Lawrence John Effect of stress on low-temperature oxidation of niobium, 23:48385 (IS-T-304)
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- WEIS, A. Electroproduction of intermediate bosons, 22:24616
- WEIS, Catherine Measurement of molybdenum oxides in mixtures and combinations, 24:16498
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  - Dual resonance models for vector currents, 24:42892 (UCRL-19780)
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  - Veneziano models for virtual Compton scattering, 24:15516
- WEIS, Joachim Studies of combination injuries, 25:595
- WEIS, Joseph Herman Dual resonance models for vector currents, 25:36490

- WEIS, M. Test problems for nonlinear programming algorithms, 21:23789 (COO-1493-11)
- WEIS, O. Superconductive tunneling junctions as detector of THz phonons, 24:45192
- WEIS, R. A. Properties of penicillinase from Bac. licheniformis after treatment with γ-rays of ^{60}Co, 22:8443
- WEISBACH, M. F. Laser absorption measurement of electron temperature in an argon plasma, 25:47506
- WEISBACH, P. J. Sigma$^-$K$^+$ enhancement in the reaction $\pi^-p \rightarrow \Sigma^-K^+\pi^0$, 21:44288
  - Strange particles in π^-p interactions at 5.0 GeV/c, 22:41735 (COO-1428-72)
- WEISBACH, Paul Jerome Systematic search for strange particle decays of N*'s and Δ's in π-p interactions at 5.0 GeV/c, 23:42569
- WEISBARTH, Gabriel S. Strong-coupling superconductivity in gallium, 21:16892
- WEISBECKER, L. LATS in untreated and ^{131}I-treated hyperthyroidism, after total thyroidectomy, and its relation to thyroid antibodies, 23:50743
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- WEISBERG, H. Beam profile spark chamber with magnetostrictive readout, 21:8610
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- WEISBERGER, W. I. Contributions of Regge cuts to forward nucleon—nucleon scattering, 21:37843
  - Current algebra, 24:35622
  - Magnetic charge quantization and angular momentum, 23:42721
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- WEISBERGER, William I. Multiperipheral integral equation for finite values of momentum transfer and its properties, 25:1654
  - Multiperipheral integral equation for forward scattering and its properties, 25:7753
  - Possible measurement of the nucleon axial-vector form factor in two-pion electroproduction experiments, 22:34903
  - Ultraviolet divergences in radiative corrections to weak decays, 23:5588
- WEISBIN, C. R. Active assay of fissionable materials at the Los Alamos Nondestructive Assay and Standards Laboratory, 25:48796 (CONF-710617-31)
  - Age and fast effect for fission and 14-MeV neutron sources in Be and BeO, 25:5496
  - Space- and time-dependent slowing down in heavy media, 25:41194
- WEISBIN, Charles R. New neutron moments program and applications to BeO, 23:36783
- WEISBROT, David R. Effect of radiation on competitive ability in D. melanogaster, 24:2626
- WEISCHER, Marie-Luise Iodine content of human and animal organs, 22:40681
- WEISE, E. Lumped element line generator for low rf sinusoidal oscillations, 25:36229
- WEISE, E. L. High-temperature properties and decomposition of inorganic salts. I, 22:4068 (NSRDS-NBS-7)
- WEISE, G. Advances in the field of separating stable isotopes by chemical exchange, 21:19738
  - Characterization of tungsten single crystals grown from the gas phase, 22:34073
  - Growth of tungsten single crystals from the gas phase by chemical reactions, 24:46756
  - Morphology and real structure of Mo single crystals, 24:19462
  - Structure of vapor-deposited molybdenum and tungsten single crystals, 25:32741
- WEISE, H. P. Secondary rainbows and interference in elastic scattering of H$^+$ by Ar, 25:27458
- WEISE, K. Contribution to the problem of the unfolding of measured spectra, 23:690
  - Influence of a stellar density gradient on the gravitational microfield in stellar clusters, 22:34217
  - Probability distributions of the electric and magnetic microfield in a relativistic plasma, 22:34700
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  - Signal-to-noise ratio of time-dependent filter for improving energy resolution in nuclear spectroscopy with semiconductor detectors, 22:25655
- WEISE, Klaus Gamma radiation following capture of neutrons, especially of polarized reactor neutrons by oriented nuclei, 25:12626 (FMRB-33/70)
- WEISE, L. Maximum likelihood method, 23:52471
  - Present methods for spectroscopy of fast neutrons with help of threshold value probes, 22:8339 (JUL-414-RX)
  - Thermal neutron flux with Co probes, 22:4426 (JUL-495-RX)
  - Uses of the maximum likelihood method, 24:18451
- WEISE, Lothar Calculations for error statistics in radiation measurement techniques. IV, 21:8591
  - Error statistics in nuclear radiation measurement technique. VI, 22:47357
  - Estimation of physical parameters with the Bayes principle, 25:15891
  - Estimation of physical parameters with the Bayes principle, 25:25270
  - Fundamentals of estimation of error statistics in nuclear radiation measurement technique. V, 22:10546
- WEISE, Robert F. Moessbauer effect spectrometry for analysis of iron compounds, 24:33588 (NSEC-4023-1)
- WEISE, W. Incidence of fistula after empirically carried out radium dosage, 23:38868
  - Information about short-range nucleon—nucleon correlations from (γ,pn) coincidence experiments, 24:52733
  - LiF thermoluminescence dosimetry in treatment of cervical carcinomas, 24:14563
  - The use of lithium fluoride thermoluminescence dosimetry in gynecologic radium treatments, 24:14495
  - Thermoluminescence dosimetry of gynaecological radium applications, 21:14662
- WEISE, W. H. Utilities collaborate in 1618-Mw nuclear station, 21:46891
- WEISE, Wolfram Microscopic analysis of (γ,p) and (γ,n) reactions at medium photon energies, 25:28488
  - Microscopic description of (γ,pn)-reaction, 24:49940
- WEISENBERGER, W. H. Low temperature channeling measurements of ion implantation lattice disorder in single crystal silicon, 25:27859
  - Low-temperature channeling measurements of ion-implantation lattice disorder in GaAs, 25:56289
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- WEISER, R. S. Antibody production by host cells in x-irradiated recipients of allogeneic spleen cells, 25:10994
- WEISER, Russell S. Mechanisms of immunity to sarcoma allografts in C57BL/Ks mouse. III, 22:25749
  - Mechanisms of immunity to sarcoma allografts in C57BL/Ks mouse. II, 22:25748
  - Mechanisms of immunity to sarcoma allografts in mice. I, 22:25747
- WEISERT, E. D. Conference on refractory metal alloys. Metallurgy and technology, Washington, D. C., 4/68, 23:18221
- WEISERT, Edward D. Dislocation morphology of tantalum deformed in tension, 23:27120
- WEISFLOG, D. Model experiments on fluid flow in the transition zone from unsaturated to saturated soil, 22:16800
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- WEISH, P. Radiation protection with psychotropic drugs, 25:49210 (SGAE-SS-7/1971)
  - Radioprotective effects of psychotropic drugs, 25:19028
- WEISHAAR, Julius Punch card control of telecobalt therapy, 25:13540
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  - Size effect of ^{60}Co sources (1 and 2 cm) on length of field, width of penumbra, dose distribution, and definition of beam following irradiation with and without penumbra trimmers, 25:16144
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  - Effect of hypoxia on colony-forming units in bone marrow, 22:19265
  - Rates at which colony forming units and erythropoietin responsive cells recover after 200 R total body x irradiation, 22:43389 (ACRH-28, pp 14-22)
- WEISMAN, Manuel I. Neutron radiography in dental diagnosis, 25:49224 (CONF-710402-(Vol.2), pp II.59-60)
  - Neutron radiography of the dental pulp, 25:55277
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- WEISS, A. G. Determination of ^{14}CO$_2$ in expired air, 25:6625
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  - Thyroid nodularity in Southwestern Utah school children exposed to fallout radiation, 25:21684
- WEISS, F. J. Bibliography on radiation pasteurization of fruits and vegetables, 23:43925 (ORNL-IIC-11(Suppl.2))
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  - Effect of pH on nicotine-induced contracture and ^{45}Ca movements in frog sartorius muscle, 22:6738
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  - Numerical comparison between relativistic and nonrelativistic theory for scattering of slow electrons from atoms, 22:52535
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WEISS, Rainer Experimental test of the Freundlich red-shift hypothesis, 21:24863
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WEISS, Richard Arthur Nuclear symmetry energy of finite nuclei and infinite nuclear matter, 24:3957
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WEISS, S. B. Influence of polycyclic aromatic hydrocarbons on bacteriophage development. II, 21:22230 (ACRH-26, pp 95-105)
  RNA thiolase: enzymatic transfer of sulfur from cysteine to sRNA in E. coli extracts, 21:22229 (ACRH-26, pp 85-94)
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WEISS, Stanley Electron beam evaporation to promote wetting by liquid metals, 21:3472
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WEISS, Ulrich Multichannel treatment of resonant reactions using the quasiparticle method, 25:20510
WEISS, V. Prog. rpt. on crack initiation in metallic materials, 6/1/65—11/30/65, 21:6803 (N-66-32184)
WEISS, Volker Conference on physical and chemical characteristics of surfaces and interfaces, Raquette Lake, N. Y., 8/66. I, 22:36465
  Conference on strengthening mechanisms: metals and ceramics, Raquette Lake, N. Y., 8/65, 21:31025
  Conference on surfaces and interfaces, Raquette Lake, N. Y., 8/67. II, 23:41533
  Ultrafine-grain metals. Proceedings of the 16th Sagamore Army Materials Research Conference held at Raquette Lake, New York, August 19—22, 1969, 25:16486
WEISS, Wolker Ultrafine-grain ceramics. Proceedings of the 15th Sagamore Army Materials Research Conference held at Raquette Lake, New York, August 20—23, 1968, 24:44771
WEISS, Z. J. Neutron thermalization in reactor lattice cells, 21:19474 (STI/DOC-10/68)
WEISSBACH, Arthur Circular DNA formation by lambda mutants, 21:22819
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WEISSENBERG, A. O. Muons, 22:24621
WEISSENBERG, Gustav Thermoluminescent dosimeter for repetitive analysis, 25:18807
WEISSENBERG, J. F. Conference on fast reactor systems, materials, and components, Cincinnati, 4/68, 23:11155 (CONF-680419)
WEISSENBERGER, W. R. Analysis and retrieval of processed gamma spectra data, 22:19132 (BNWL-669)
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WEISSER, D. C. Scattering of α-particles from ^{12}C, 25:5561
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WEISSGLAS, P. Coupling of waves in a hot inhomogeneous anisotropic electron plasma, 21:11643
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WELTY, James R. Natural convection heat transfer in liquid metals. Progress report, April 1, 1969—December 31, 1970, 25:15826 (RLO-2227-T-4-1)
  Prog. rpt. on natural convection heat transfer in liquid metals, 4—12/69, 24:33600 (RLO-2094-1)
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- WENKAM, N. Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 23:48294 (UH-235-P-5-4)
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  - Rapid determination of rare earth metals in phosphate rock, 22:33216
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  - Metabolism of selected radionuclides fed in various physical forms to dairy cows, 23:815 (AD-672097)
- WENTWORTH, W. E. Thermal electron attachment studies, 23:47552
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  - Prog. rpt. on kinetic studies of heterogeneous water reactors, 7—9/66, 21:13988 (STL-372-47)
  - Prog. rpt. on kinetic studies of heterogeneous water reactors, annual, 1966, 21:40575 (STL-372-50)
  - X-ray measurement of void dynamics in boiling liquid metals, 22:21283
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- WENZEL, Richard Fredrick William Electron paramagnetic resonance absorption studies of (Al_2O_3)/sub 1-x/(Cr_2O_3)/sub x/ with controlled neutron treatments, 21:33514 (COO-1054-31)
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  - Measurement of branching ratio $K^+ \rightarrow e^+\pi/K^+ \rightarrow \mu^+\pi$, 25:1387 (UCRL-20079)
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  - Nucleon isobar production in proton—proton collisions between 3 and 7 GeV/c, 22:37076
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  - Influence of neutron irradiation at 4.6°K on superconducting properties of niobium, 23:25239 (BMwF-FBK-68-43)
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Spectral properties of the chromophoric material associated with the DNA-photoreactivating enzyme isolated from Baker's yeast, 25:54376 (ORO-3630-12)
WERBOFF, Jack Conference on prenatal irradiation effects on central nervous system development, Washington, D. C., 10/63, 21:24536 (CONF-631008)
Effects of prenatal x irradiation on motor performance in the rat, 21:30892
WERBROUCK, A. IBM 1130 computer on-line system at Torino, 25:13288 (CERN-70-21(Vol.2), pp 911-20)
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WERKHEISER, A. H. Low temperature response of some scintillators, 24:4455
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  - Range measurements of very heavy ions using Coulomb excitation and perturbed angular correlation, 21:40057
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  - Ruby laser micro-irradiation of single tissue culture cells vitally stained with Janus green B. I, 21:20413
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- WESELOH, Gerd Report on the late changes in rat liver after whole-body and local irradiations, 21:32751
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  - Response spectrum approach to earthquake response of nuclear power station appendages, 23:34911 (GA-9232)
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  Prog. rpt. on quantitative determination of the structure-property relationships in nuclear fuel element materials, 3/15/71—6/15/71, 25:58389 (SRO-552-8)
  Quantitative determination of the structure—property relationships in nuclear fuel element materials. Quarterly progress report, June 15—September 15, 1970, 25:4841 (SRO-552-5)
  Quantitative determination of the structure: property relationships in nuclear fuel element materials. Quarterly progress report, September 15—December 15, 1970, 25:13766 (SRO-552-6)
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- WICHERS, E. Atomic weights of elements, 1967, 24:16490
- WICHMANN, Erich Bibliographies in nuclear science and technology, 23:29462 (AED-C-13-6)
  - Bibliographies in nuclear science and technology, Sect. 13, No. 7, 1970, 25:26443 (AED-C-13-7)
- WICHMANN, Eyvind H. Translation invariance of local internal symmetries, 24:15617
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- WICHTERLE, O. Conference on macromolecular chemistry, Prague, 8—9/65, 23:4605
  - Conference on macromolecular chemistry, Prague, 1965, 23:9390
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  - Test of time reversal invariance in beta decay of ^{19}Ne and beta decay asymmetries, 22:39584
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- WICKE, E. Corrosion rate of graphites by CO_2 and H_2O-vapor, 24:39679 (DP-Report-391)
  - Diffusion of H_2 in B—Pd alloys, 23:51116
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  - Effect of in-pore diffusion on graphite corrosion rate, 24:39678 (DP-Report-112)
  - Uranium—hydrogen system and kinetics of U hydride formation, 21:45095 (LA-tr-67-82)
- WICKENBERG, R. Prog. rpt. on SNAP-21 program, phase II, 6/20—9/30/66, 21:30629 (MMM-3691-6)
  - SNAP-21 Phase II 10-watt system, final summary report, 24:46432 (MMM-3691-62)
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- WICKENHAEUSER, A. Incorporation of machine data handling in the monitoring of fissionable material in large research centers, 25:10796 (KFK-866)
  - MUNDO: code for computing accident dose rates in reactor environs, 22:33089 (EURFNR-461)
  - MUNDO: digital program for calculation of accidental dose in neighborhood of reactor site, 22:16708 (KFK-653)
- WICKENS, J. H. Branching ratios for π^- mesonic decays of hypernuclei /sub Λ/^{3}H and /sub Λ/^{4}H, 24:49310
  - Determination of the mass of the Λ hyperon, 21:18916
  - Final state interactions among the decay products of /sub Λ/^{8}Li and /sub Λ/^{12}B, 24:3507
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  - Phase equilibriums in the systems Ni—Nb—Mo, Ni—Nb, and Ni—Mo, 24:51179
  - Study of the $NbAl_3$—Al phase diagram, 25:49459
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- WICKER, Charles D. Adjusting device for remote control manipulators, 22:10465
- WICKER, E. E. Application of neutron generators in the steel industry, 25:2121 (CONF-700322-, pp 249-57)
- WICKER, R. Inactivation of SV-40 virus by radiations, 23:26972
  - New antigens in cells transformed by SV40. I, 24:24962 (ORNL-tr-2287)
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  - Travelling ionospheric distrubances caused by nuclear explosions, 22:24153
- WICKERSHEIM, K. A. Cathodoluminescence as an analytical technique for determination of rare earths in yttria, 22:22978
  - Cathodoluminescence of rare earth-activated yttrium oxide, 22:22996 (CONF-670502-, pp 271-82)
  - Cathodoluminescent properties of the rare earths in yttrium oxide, 23:10704
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- X-ray image intensifier tubes using rare earth oxysulfide phosphors, 24:39243
- WICKES, J. B. P. Autoionization spectrum of cadmium vapour by electron impact, 25:40379
  - Generalized oscillator strengths in the electron-impact spectra of cadmium vapour, 25:47340
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- WICKIZER, G. S. Ionospheric phase distortion and Faraday rotation of radio waves, 24:17796
- WICKLAND, Charles E. Electrocleaning of uranium alloys, 25:24545 (RFP-1596)
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- WICKLIFFE, Billie W. Radioisotope analysis of in vivo hemolysis following intravenous injections, 23:38666
- WICKLUND, A. B. Comparison of proton momentum spectra in proton—proton collisions involving pion and kaon production, 24:37633
  - On-line wire spark chamber system used as a mass spectrometer, 23:7795
  - Search for T = 1 bosons near 1 GeV in the reaction pp $\rightarrow$ d + MM, 24:40283
- WICKLUND, A. W. Martensitic transformation in Nb_3Sn/sub 1-x/Al/sub x/, 25:17082
  - Specific heat and the lattice transformation in Nb_3Sn, 23:14720
  - Specific heat of niobium—tin, 22:17604
- WICKLUND, Arthur B. Rapid spectrometer analysis, 23:672 (UCRL-18317)
- WICKLUND, Arthur Barry Meson spectrum in reaction PP $\rightarrow$ d MM, 24:35606 (UCRL-19737)
  - Meson spectrum in reaction PP $\rightarrow$ d MM, 25:43541
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  - Moessbauer and magnetic properties of several europium intermetallic compounds, 22:22246
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  - Moessbauer study of paramagnetic relaxation in dysprosium ethyl sulfate, 22:29567
  - Temperature dependence of the electronic relaxation in dysprosium ethylsulfate and dysprosium gallium garnet, 22:46224
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  - Atmospheres of white dwarfs. III, 25:32899
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- WICKS, D. J. Determination of carbon in stainless steels, 24:2096 (AERE-AM-110)
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  - Superconvergence relations for anti N + N $\rightarrow$ π + rho and anti N + N $\rightarrow$ π + ω, 22:34972
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  - Total cross section of cadmium for neutrons of energy between 0.01 and 10 eV, 23:5881
  - Total cross sections of Dy, Lu, and Ir for neutrons of energy between 0.01 and 10 eV, 22:18282
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  - Unitarized and nearly crossing-symmetric π-π S-wave amplitudes, 24:26435
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  - ASEA—ATOM boiling water reactor, 24:47704
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  - First fuel charge for Oskarshamn power station, 23:45032
  - Fuel manufacturing in Sweden, 25:27272 (CONF-700903-18)
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  - Residual strains associated with nuclear explosion, 24:19119
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- WIDEMANN, F. Decay of $^{153}Sm(\beta^-)^{153}Eu$, 22:44723
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- WIDEMANN, Francois Spectrum (γ) emitted during transmutation of ^{153}Sm into ^{153}Eu, 21:46732
  - Spectrum of internal conversion electrons emitted during the transmutation of ^{153}Sm into ^{153}Eu, 21:42645
- WIDEMO, U. Diffusion from ground level point source experiment with dosimeters and ^{40}K, 23:29006 (AE-353)
- WIDEN, L. Value anti ν of ^{235}U and ^{239}Pu in fast-reactor spectrum, 25:15113
  - Variation in prompt pulse efficiency for two liquid scintillator tanks, 25:51853 (CONF-701002-, pp 481-7)
- WIDENMANN, L. Radiation burden during roentgen kinematography, 25:35143
  - Scattered radiation component in radiography, 24:16871
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  - Problem of the infinite elastic plate with a circular insert reinforced by a beam, 24:44218
- WIDERA, R. Excitation functions (n,2n) for ^{93}Nb and ^{103}Rh, 25:5766
  - Neutron flux measurement by counting the associated ^{3}He particles from T(p,n) reaction, 25:18647
- WIDEROE, R. Oxygen effect based upon two-component theory of radiation, 24:48589
  - Radiation hazard and protection, 23:16329
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- WIDEROEE, Rolf Analysis of treatment models for different types of radiation, 23:31874
  - Biological significance of delta-electrons, 22:51589
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  - Two-component theory of radiation and its significance for radiotherapy, 21:45747
- WIDERSKI, Jan Effects of chemical agents on solid-state radiation-chemical polymerization of acrylamide, methacrylamide, and N-ter-alkylacrylamides. I, 23:227
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  - Measurement of cross sections with neutrons as targets. II, 23:18802
  - Pion-electron scattering, 22:46311 (NYO-2262-TA-193)
- WIDHOLM, O. Measuring ureteral radiation doses, 21:10906
  - Treatment of ureteral lesions associated with radiotherapy, 23:41363
- WIDHOLM, Olof Effect of uterine trauma and radiotherapy on enzyme activity. I, 23:29353
- WIDING, K. G. Highly ionized Fe and Ni lines in 200- to 400-A of solar spectrum, 25:55774
  - Problem of the solar temperature minimum, 24:28018
- WIDING, Kenneth G. Analysis of solar spectrum in spectral range 33 to 110 A, 22:29012
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- WIDLAN, Sheldon Enzymically active and inactive melanocyte populations and uv irradiation, 22:21622
- WIDMAIER, Renate Effect of x rays on postnatal testis development and germ cell maturation in the mouse, 21:1821
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  - Internal conversion coefficients for absorbed dose calculations, 24:19318
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  - Design criteria for high-pressure, high-temperature bolting, 23:509
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  - Understanding turbulent ion heating in the Oak Ridge mirror machine, Burnout V, 25:38348 (CONF-710607-62)
- WIDNER, Melvin Merle Computer simulation of fluid ion motion in plasmas, 23:46473 (TID-25184)
- WIDOM, A. Evaporation from quantum liquids, 23:25257
- WIDOM, Allan Enthalpy fluctuations in ^{4}He films, 25:30407
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- WIDOM, Allen Evidence for the validity of the Landau theory of liquid ^{3}He, 24:35350
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WIEBICKE, H. J. DWBA model applied to the ^{24}Mg(d,p)^{25}Mg reaction at E/sub d/ = 13.5 MeV, 25:12457
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Properties of excited states in ^{34}S from studies of the (α,γ) and (α,n) reactions on ^{30}Si, 21:5508
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Report on nine technical and economic studies on the utilization of radioactive isotopes in the chemical and petroleum industries, 21:1347
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Strong focussing in linear accelerators, 22:20367 (DESY-68/5)
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Properties as high-temperature materials of refractory metals. II, 25:6875
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Properties of Zr alloys as construction materials in nuclear reactors. I, 21:16603
Properties of Zr alloys as construction materials in nuclear reactors. II, 22:10956
WIEDEMANN, W. ^{3}He—^{4}He dilution refrigerator using novel types of heat exchangers, 25:45435
Moessbauer effect study of ferromagnetism and ferromagnetic relaxation in $ErAl_2$, 21:27253
Moessbauer-effect study of erbium spin relaxation in magnetically ordered compounds, 22:17758
WIEDENBECK, M. K. Levels in the N = 82 nucleus ^{139}La populated in ^{139}Ba decay, 22:53180
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Relative detection efficiency calibration of a Ge(Li) detector at low energies, 22:45296
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  - Mixed crystal phases in ThO_2—PrO/sub x/, 25:764 (CONF-700403-(Vol.1), pp 115-26)
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  - Higher-order terms in the current—current theory of weak interactions, 25:14647
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- WILLIAMS, A. I. Determination of niobium in metals and alloys, 22:22971
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- Research concerning ionic and free radical reactions in radiation chemistry. Progress report, September 15, 1969—September 15, 1970, 25:130 (ORO-2968-56)

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- WILLIS, C. Absolute dosimetry of high intensity, 600 kV pulsed electron accelerator used for radiation chemistry studies of gaseous samples, 25:51915
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  - Nuclear heated thermionic energy converter, 22:24088 (DLR-MITT-66-07, pp 31-47)
- WINKENBACH, Herbert Fuel elements in gas cooled reactors, 24:45857
  - Thermionic energy converter, 22:38848
- WINKENBACK, Herbert Studies on irradiated molybdenum emitters filled with uranium dioxide, 24:3222
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  - Level structure of ^{71}Ge, 24:47589
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  - Irradiation test and postirradiation examination of GAIL IV fuel element, 22:8846 (GA-7997)
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  - Lowest two T = 3/2 states of ^{17}F observed in $^{16}O(p,p)^{16}$ reaction, 22:3610
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  - Radiative capture of ^3He by ^3He, 21:40370
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  - Free fatty acids in the amniotic fluid and fetal and maternal blood plasma of irradiated rats, 21:24576
  - Influence of total body x-irradiation with 800 r on foetal and maternal lipids in rats, 23:4884
  - Lipid balance in maternal liver, fetal liver, placenta, and the whole fetus of rats following total-body irradiation, 22:435
  - Lipid metabolism following total body x-irradiation of rats, 23:31642
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  - Hexadecapole effects on Coulomb excitation of nuclei in rare-earth region, 24:49812
  - Perturbation treatment of the reorientation effect in ^{165}Ho, 24:49813
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  - Electron velocity distribution function in homogenous stationary Lorentz plasma in Ne, 25:9474

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- WINKLER, Raimund Determination of long-lived alpha emitters in air, 24:27238 (CONF-690540-, pp 184-96)
  - Separation of radioruthenium and other fission products on the redox ion exchanger zirconium oxide hydrate—dithionite, 25:32053
- WINKLER, U. Mutants of Serratia marcescens defective or superactive in the release of a nuclease, 24:31937
  - Non-photoreactivable mutant of S. marcescens, 23:29436
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  - Host cell reactivation of lethal and mutagenic effects of ultraviolet light on bacteria and phages, 22:25793
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  - Safety aspects of reactor physics and the formation of fission products, 25:26010
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- WINN, W. G. Decay of ^{56}Co and ^{66}Ga, 25:14957
  - Directional—correlation attenuation factors for Ge(Li) γ-ray detectors, 23:7751
  - Directional-correlation attenuation factors for Ge(Li) detectors, 24:33879
  - Gamma—γ directional correlations in ^{133}Cs via Ge(Li)—Ge(Li) measurements, 24:24572
  - Ge(Li)—Ge(Li) study of ^{134}I decay, 24:1862
  - Structure of ^{51}Cr, 25:12435
- WINN, Willard G. Structure of ^{51}Cr via ^{48}Ti(^{4}He, nγ) and ^{51}V(p,nγ) prompt γ-ray spectrometry, 25:3593 (COO-1530-21)
- WINN, Willard Gary Experimental studies of /sup 136m/Ba, /sup 134m/Xe, /sup 127m/Xe, and /sup 125m/Xe, 22:46768 (NYO-3664-6)
  - Experimental studies of /sup 136m/Ba, /sup 134m/Xe, /sup 127m/Xe, and /sup 125m/Xe, 23:13295
- WINNACKER, A. Beta decay anisotropy and NMR of ^{116}In, 23:44917
  - Nuclear magnetic moment of ^{110}Ag(T/sub $^{1}/_{2}$/ = 24.4s), 24:1829
  - Relaxation phenomena and NMR of ^{116}In, 25:43894
- WINNACKER, K. Chemistry and nuclear power, 25:26055
- WINNACKER, Karl Reactor day 1969 of German atomforum, 23:43240 (NP-17899)
- WINNBERG, A. New OH radio emission sources in Cygnus, 23:25050
  - Observations of some OH sources in Cygnus, 25:9083
  - OH observations at positions of T Tauri stars in the Taurus—Auriga region, 25:45234
  - Search for OH 18-cm emission in the Cepheus IV association, 25:9015
- WINNBERG, Anders Structure of galactic neutral H in region of Cygnus, 22:49876
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- WINNEWISSER, Gisbert Rotational constants for HCN and DCN, 25:57423
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  - Penetration of magnetosheath plasma to low altitudes through the dayside magnetospheric cusps, 25:16940
  - Soft particle spectrometer in ISIS-I satellite, 24:48294
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- WINNINK, M. Constraints imposed upon a state of a system that satisfies the K.M.S. boundary condition, 25:27925 (CNRS-CPT-70-P-325)
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  - Induction of cellular DNA synthesis, 21:3382
  - Induction of cellular DNA synthesis by supercoiled SV40 DNA in x-irradiated mouse 3T3 cells, 25:26691
- WINOGRAD, I. J. Records of wells and test holes in Nevada Test Site and vicinity, 12/67, 22:10360 (TEI-872)
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- WINOGRAD, Y. Y. Electric arc stabilization in crossed convective and magnetic fields, 24:15188
- WINOGRAD, Yeshaiahu Y. On ion—electron beams emitted by a plane, 23:12844
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- WINSBERG, L. Determination of cross sections with an on-line isotope separator, 25:50273
  - Determination of transfer times in an on-line isotope separator, 25:50272
  - Nuclear recoil in the ^{12}C(p,pn)^{11}C reaction. II, 22:29917
- WINSBRO, R. B. ORIC: FORTRAN IV code for computing optimum plant designs for desalination of seawater and production of electricity, 21:30160 (ORNL-TM-1523)
- WINSCH, I. O. Corrosion-resistant heated transfer tubes for molten metals and salts, 23:980
  - Design and application of corrosion-resistant heated transfer tubes for liquid metals and salts, 23:29037 (ANL-7522)
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  - Tungsten crucibles in pyrochemical processing of nuclear fuels, 21:19732
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- WINSCHE, W. E. Centrifugal extractor, 21:30606
  - Economics of steady-state ^{238}Pu production in epithermal reactors, 21:35595
  - Economics of steady-state ^{238}Pu production in epithermal reactors, 21:38576
  - Operating a breeder reactor, 21:40644
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- WINSLOW, F. R. Iron—nickel—tungsten phase diagram, 25:42887 (Y-1785)
  - ORNL work on diffusion in beta Zr, V, Nb, and Ta, 21:24776
  - Scanning electron microscope fractography of a uranium—7.5 wt. percent niobium—2.5 wt. percent zirconium alloy, 23:41655 (Y-DA-2952)
- WINSLOW, G. H. Chemical problems associated with lattice-defects, 22:19659
- WINSLOW, J. W. Radiation hardness of a new magnetic thin-film recording system, 25:57908
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  - Effects of pile bombardment on several compound semiconductors, 21:42160 (USNRDL-TR-67-83)
- WINSLOW, R. G. Charged particle spectrometer for space experimentation, 21:16194
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  - Drift effects on the behavior of a low-β axisymmetric toroidal plasma, 25:52777
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  - Two-temperature theory for a helium arc plasma in a cylindrical duct, 21:758 (AD-632422)
- WINSOR, Niels Karl Numerical model for a low-pressure plasma in a toroidal magnetic field, 24:49153
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- WINSTEAD, Jack A. Effects of gamma radiation on lactate dehydrogenase, 24:14427
  - Radiation effects on amino compounds in rats, 1/67, 22:419 (AD-648223)
  - Role of sulfhydryl groups in radiation sensitivity and chemical protection in enzymes, 21:36497
- WINSTEAD, Meldrum B. Evaluation of ^{111}Ag, ^{113}Sn, ^{90}Yt, and ^{109}Pd hematoporphyrin complexes for selective lymphatic irradiation, 24:29698 (UCRL-18793, pp 73-9)
  - Synthesis of ^{11}C—carboxylic acids and their use in organ visualization, 24:29699 (UCRL-18793, pp 86-8)
  - Synthesis of sodium ^{11}C—benzoate and its use in renal visualization, 24:29787 (UCRL-18793, pp 80-5)
  - Visualization of radioactivity in dog following administration of various ^{11}C—carboxylates, 24:33989 (UCRL-19420, pp 1-8)
- WINSTEIN, B. D. Recoil proton polarization in eta photoproduction, 25:3255
- WINSTEIN, Bruce Darrell The polarization of the recoil proton in eta photoproduction, 25:17354
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  - Radiation-induced polymerization of vinyl monomers impregnated in wood, 23:26277
- WINSTON, Anthony Prog. rpt. on preparation of wood—plastic combinations using gamma radiation to induce polymerization, 3/67, 21:21971 (ORO-2945-7)
  - Prog. rpt. on preparation of wood—plastic combinations using gamma radiation to induce polymerization, final, 11/61—6/68, 25:41843 (ORO-2945-10)
- WINSTON, Barry M. Oxford NSD calculator for clinical use, 23:38593
- WINSTON, J. S. Development of high-temperature vanadium-base alloy, 24:32371 (BM-RI-7393)
  - Development of high-temperature vanadium-base alloy, 25:24591
  - Effect of composition on magnetic properties of Sm—Co alloys, 25:52938 (CONF-711001-(Vol.1), pp 242-51)
  - Evaluation of electrowon tungsten sheet, 24:27755 (BM-RI-7385)
  - Evaluation of electrowon W sheet, 25:24551
  - High-hot-strength vanadium-base alloy, 24:44678
- WINSTON, M. A. /sup 99m/Tc technetium sulfide and scintillation camera in rapid diagnosis of pericardial effusion, 25:55295
  - Critical evaluation of /sup 99m/Tc—Fe—ascorbic acid complex as a renal scanning agent, 25:26848
  - Demonstration of collateral pathways after superior vena caval obstruction with the scintillation camera, 25:26844
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  - Scintillation camera in embolic acute renal failure, 25:16257
  - Scintillation camera in the evaluation of renal transplants, 24:17080
  - Ureteral kinking and hydronephrosis in a transplanted kidney mimicking the rejection phenomenon, 25:13490
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  - Effective-Hamiltonian approach to hyperon beta decay, 23:36895
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  - Decay of ^{159}Eu, 24:43363
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E0/E2 mixing ratio for transitions from beta vibrational states in deformed nuclei with uneven nucleon numbers, 22:42056
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WISSE, M. Photoelectric observations of P Cygni-type stars AG Carinae and HR Carinae, 25:32938
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WISSE, P. N. J. Photoelectric observations of P Cygni-type stars AG Carinae and HR Carinae, 25:32938
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WISSHAK, K. Longitudinal electron polarization in the β decay of ^{90}Y and ^{32}P, 25:53803
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  Lower bounds to $\pi^0\pi^0$ scattering length from unitarity, analyticity, and crossing symmetry, 25:33709
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  Visualization of choroid plexus on /sup 99m/Tc brain scan, 21:34695
WITCOFSKI, Richard Lou Relationship of hypoxia to effects of x radiation on ribonucleic acid synthesis in liver of Triturus viridescens, 22:47489
WITCOMB, M. J. Dependence of the lower critical field on normal-state resistivity in superconducting alloys, 23:3427
  Effect of microstructure on superconducting properties of Mo—34 at. percent Re alloy, 22:22077
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  Dose-survival characteristics of epithelial cells of mouse intestinal mucosa, 23:6579
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WITKOVER, R. Rf system for AGS 200-MeV linac, 21:978 (BNL-10665)
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WITT, Ingeborg Influence of alpha particles on growth of sarcomas, 23:8027
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WITTEMAN, W. J. Sealed-off Michelson-type CO_2 laser for diagnostic studies of gaseous plasmas, 21:31416
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Prog. rpt. on Pu research, annual, 1965, 21:13143 (MLM-1328)
WITTENBERG, Laton J. Density of liquid uranium, 24:19425
WITTENBERG, Layton J. Density and viscosity of liquid Pu—U alloys, 25:16466
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WITTFOGEL, H. Ionizing irradiation of marine fish and fish products in Germany, 21:34842

WITTGENSTEIN, F. Big European bubble chamber magnet progress report, 25:35001 (CONF-700623-(Vol.2), pp 1126-49)
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WITT-HANSEN, O. Analysis of the annihilation process anti pp—eta$\pi^+\pi^-$ at rest using Veneziano-type amplitudes, 25:53177
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  Pressure dependence of the superconducting transition temperature of lead, 23:12700 (SC-T-69-1002)
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WITTIG, L. Optical thickness of nonstationary plasma columns, 23:44402
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  Bibliography on computer programs in nuclear physics, No. 1, 10/66, 21:25565 (AED-C-34-01)
  Effect of electron-backscattering on sensitivity of ionization chambers, 24:44256
WITTIG, Siegmar Bibliography on computer programs in nuclear physics, No. 2, 6/67, 22:3585 (AED-C-34-02)
  Universal Monte Carlo method for solution of electron transport problems, 23:14853 (IKF-20)
  Universal Monte Carlo method for solution of electron transport problems, 23:34258 (ORNL-tr-2126)
WITTING, H. L. Mass-spectrometer analysis of a cesium plasma, 23:10618
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WITTKOWER, A. B. An experimental study of electron loss during the passage of fast hydrogen atoms through atomic hydrogen, 21:31236
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  Charge-changing collisions involving fast helium beams: the effect of a metastable atom component, 21:43800
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  Study of the charge neutralization of fast Ne$^+$, Ar$^+$, and Kr$^+$ ions during passage through gaseous targets, 21:16794
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WITTLER, Manfred Multiplier rule for functional subject to certain integro-differential constraints, 23:29039 (CONF-680649-1)
WITTMAACK, K. Defect annealing in monocrystalline Au foils after Au ion irradiation, 24:18022
  Depth distribution of characteristic x-ray production in Cu by 12- to 30-keV electrons, 25:58685
  Stage-III annealing in gold after 30-keV gold—ion irradiation, 23:42406
WITTMAN, F. E. Hot plate with programmable temperature profiles, 24:26242
  Q-machine hot plate development, 24:24057 (LA-4250, pp DII.6.1-3)
WITTMAN, Frederick E. Resonant charge exchange cross section in a K Q machine plasma column, 24:26185
WITTMAN, R. H. Explosive cladding and welding for low capital investment fabrication, 25:35298
  Explosive welding duplex Zy—Al tubing. Summary report, 21:9078 (BMI-X-412)
WITTMANN, A. Complete photoelectric sunspot spectrum, 24:42453
  Crystal structure of $Cr_{11}Ge_{19}$, $Mo_{13}Ge_{23}$, and $V_{17}Ge_{31}$, 21:26838
  Intensity, velocity, and magnetic structure of a sunspot region. V, 24:10312
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WITTMANN, B. Radio-gas-chromatographic investigations of fatty acid mixtures, 22:27578
WITTMANN, F. Deformation and cracking mechanics in hardened cement paste and concrete under short-term and high sustained loads, 25:55661
WITTMANN, H. G. Conference on molecular genetics, Berlin, 1967, 24:31933
WITTMAYER, F. J. Low-speed diamond saw, 24:2342 (UCRL-71611)
WITTMER, G. Evaluation in R_1 of effects of ionizing radiation on genetic variability of leaf characteristics in Nicotiana tabacum, 22:8501
WITTMER, P. Analysis of spectra with aid of IBM 1800 computer, 23:47897
  Data acquisition and analysis system for nuclear physics, 25:18852
WITTMIER, J. P. Strontium-90/calcium ratio and calcium and phosphorus content of beagle diet, 23:12001 (UCD-472-115, pp 17-18)
WITTRY, David B. Spatial distribution of excess carriers in electron-beam excited semiconductors, 21:27237
WITTWER, G. E1-electroexcitation of the 3.08 MeV level in ^{13}C, 23:44843
  Nuclear levels below 16 MeV in ^{13}C, 24:35824
  Properties of electromagnetic transitions in ^{13}C, 24:15815
WITTWER, H.-J. Mechanical properties of Ti—6Al—4V. II, 24:25722
  Mechanical properties of TiAl6V4 titanium alloy. II, 24:25710
WITTWER, S. H. Aboveground plant parts as a pathway for entry of fission products into the food chain, 21:14579
WITULSKI, H. Limitation of the confinement of plasma, 23:32319
  Trapped reverse field configurations in a linear theta pinch experiment, 22:1181 (LA-3770, Paper A4)
WITZ, Isaac Isoantigens available to circulating antibodies, 23:22229
WITZ, J. Synchrotron radiation as a source for x-ray diffraction, 25:33933
WITZE, C. P. Flow about a growing sphere in contact with a plane surface, 23:17684
WITZE, P. O. Assessment of the proper boundary conditions at the outer edge of the turbulent boundary layer on spherically blunted conical bodies, 23:47364 (SCL-RR-69-67)
  SLAP: Sandia—Livermore aeroheating program, 24:5578 (SCL-DR-69-105)
  Turbulent heating from a compressible boundary layer with pressure gradient, 23:52512 (SCL-RR-69-70)
WITZEL, A. Observations of variable radio sources at 2695 MHz, 25:30151
  Statistically complete sample of radio-sources at 1400 MHz, 25:27353
WITZEL, Lothar Effects of various doses and time distributions of radiation on abnormal mitosis: studies on Vicia faba, 22:40542
WITZELL, W. E. Fracture toughness of aluminum—boron composites, 24:14907
WITZIG, W. F. Role of operations and safety committees for nuclear power plants, 24:7018
  Undersea reactor siting considerations, 23:4278
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  Fuel management program to optimize fuel utilization in TRIGA research reactors, 25:41555
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  Alloy softening in Group VIA metals alloyed with Re, 25:29871
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  Mechanical properties of a W—23.4 percent Re—0.27 percent Hf—C alloy, 25:52327
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  Mechanical properties of a W—23.4-percent Re—0.27-percent Hf—C alloy, 25:55433 (N-71-23982)
  Mechanical properties of arc-melted tungsten—rhenium—hafnium—carbon alloys, 23:48387 (N-69-31977)
WITZMANN, H. Contribution to the phosphorescence of CaO phosphors, 22:91
  Structure of emission bands of Sn- and Th-activated CaO phosphor, 22:92
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WIXON, N. J. Muon experiments, 25:14532
  Scattering of high-energy muons on electrons, 24:28474
  Scattering of high-energy positive and negative muons on electrons, 23:49028
WIXON, Norman J. Scattering of high energy muons on electrons, 25:27955
WIXSON, Bobby G. Gamma radiation effects on nymphs, 21:34767
WIZA, J. Soft x-ray imaging system for satellite experiments, 22:40410
WIZA, January Preparation of ^{141}Ce and ^{143}Pr, 25:46534
WIZENBERG, M. J. Time—dose relationships in interstitial therapy, 24:29836
WIZENBERG, Morris Time-dose relationships in radiation therapy of lymphosarcoma and giant follicle lymphoma, 25:24295
WIZENBERG, Morris J. Bronchogenic carcinoma, 21:22624
  Radiotherapy of cancer of bladder, 22:2553
WIZGALL, H. Critical data of niobium nitride in transverse magnetic fields, 21:43992
  Critical data of some A15-type superconductors, 23:36618
  Flux-hole motion and the peak effect in superconductivity, 21:37393
  Investigations on superconducting diffusion layers with an electron beam microprobe, 25:26159
  Peak-effect studies on niobium nitride, 22:29450
WIZGALL, Hermann Properties of high-field superconductors in magnetic fields up to 230 KOe, 22:22080
WLADARZ, M. Applications of closed gas turbine cycles with a pebble bed HTGCR, 21:34098 (EUR-2757.e, pp 353-)
WLATZ, R. E. Diffraction peak in resonance production and multipoint Veneziano model, 24:5317
WLERICK, G. Existence of radio stars, 21:28909
  Identification and photometry of radiosources of revised 3C Catalogue. I, 25:22285
  Optical and radio study of BL Lacertae, 24:10238
WLEZEK, C. Nuclear power plants in Rumania, 24:20499
  Nuclear power stations in Rumania, 24:20482
WLEZEK, Camil Computing method for technical and economic analysis of nuclear power plants, 23:11165 (JPRS-47209, pp 74-89)
  Studies for the optimum design of thermodynamic cycles of helium-cooled high-temperature nuclear power stations, 25:12809
WLODARCZYK, Miroslawa Conjugation and recombination in bacteria. VII, 24:31906
  Mechanism of conjugation and recombination in bacteria. II, 23:10122
  Mechanism of conjugation and recombination in bacteria. IX, 25:10946
WLODARSKI, R. Production of shaped articles from sintered high-purity calcium fluoride of natural and synthetic origin, 22:11029 (UCRL-Trans-10193)
WLODARSKY, R. Thermal annealing of neutron-irradiated carbon, 25:56283 (CEA-CONF-1823)
WLODEK, S. Cesium transport in fish-breeding pond, 25:2516
  Radioactivity of plants of tributaries of Isere River in 1964-65, 21:20174 (NP-16593)
WLODEK, St. Behavior of ^{137}Cs in reservior of fresh water, 21:24412 (NP-16590)
  Migration of ^{137}Cs in food chain: water-plant—mollusk-fish, 21:22367 (NP-16594)
WLODEK, Stanislaw Existence and role of Cs in natural environment. II, 25:32377
  Influence of human activity upon ^{226}Ra migration in the environment, 25:32373
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WLOTZKA, F. Concentrations and isotopic composition in lunar material, 24:21531
  Major and trace elements and cosmic-ray produced radioisotopes in lunar samples, 24:20737
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WOBIG, H. Cs-plasma in the Garching Octopole W V, 23:32440
  Dynamic stabilization of MHD instabilities, 25:27784
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  Preliminary investigation of corrugated theta pinch ("Limpus") at Isar I, 21:11668 (IPP-1/55)
WOBIG, Horst Convection of a plasma in a gravitational field, 24:10535 (MATT-749)
WOBSCHALL, Darold Collision cross sections of hydrogen and other ions as determined by ion cyclotron resonance, 22:5059
WOBSCHALL, Darold C. Ion cyclotron resonance line broadening at high E/P, 21:41768
WOBSER, J. K. Cable shielding from photon scattering for pinex experiments, 25:49959 (UCRL-51045)

- WOBST, M. Specific electric resistance of molten In—Sn alloys, 25:16508
  - Specific electric resistnace of molten In—Bi alloys, 25:16509
  - Specific electrical resistance of some liquid ternary alloys of the indium—tin—bismuth system, 25:45048
- WOCHNA, M. Natural atmospheric radioactivity and its dependence on some geophysical factors, 22:40262
- WOCHNA, Zdzislaw Effects of microwaves of low-density radiation on testes of rabbits, 23:20352
- WOCHNER, R. Dean Estimation of plasma volume with /sup 113m/In-transferrin, 24:29627
- WOCHOK, Z. S. Incorporation of ^{3}H-thymidine into nuclear DNA of leaf cells, 21:41357
- WOCKENFUSS, H. Operational behaviour of the Rheinsberg nuclear power plant reactor, 23:47143
  - Program for quenching corrections in liquid scintillation counting, 22:51229
- WODA, H. Investigation of parity mixing in excited nuclear states from measurement of beta-gamma angular correlation, 21:2764
  - Studies of radiative neutron capture and delayed fission gamma-ray spectra from uranium and plutonium as a basis for new nondestructive safeguards techniques, 25:3649 (KFK-1214)
- WODA, Helmut Measurement of forward-backward asymmetry ^{203}Hg, 24:28781 (SGAE-PH-89/1969)
- WODHEAD, D. S. Tissue dose due to neutrons of cosmic-ray origin, 22:2437
- WODINSKY, I. Spleen colony studies of leukemia L1210. VII, 24:27666
- WODKIEWICZ, L. Methods of chemical separation applied to activation analysis, 22:4049
- WODKIEWIXZ, Ludmila Anion exchange affinity and chromatographic separation of rare earth complexes with trans-1,2-diaminocyclohexane-N,N'-tetraacetic acid, 22:23097 (INR-P-860/VIII/C)
- WODRICH, D. D. Radioactive transportation activities for a fuels reprocessing plant, 25:48831 (CONF-710801-(Vol.1), pp 437-45)
- WODSAK, W. Low lying states of light atomic nuclei in the framework of the cluster model, 24:38076 (BMBW-FBK-70-2)
- WODSAK, W. W. Refined cluster model calculations for ^{6}Li levels, 24:45747
- WOEHL, H. Complete photoelectric sunspot spectrum, 24:42453
  - Continuum windows in spectra of umbrae (4000 to 8000 A), 25:13879
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  - Magnetic splitting of molecular lines in sunspot spectra, 24:4952
  - Molecules in sunspots, 25:27390
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- WOEHLBIER, F. H. Diffusion data. Number 2, 1971, 25:55509
  - Diffusion data. Volume 4, No. 2, 1970, 24:46718
  - Diffusion data. Volume 4, Number 1, 1970, 24:32380
  - Diffusion data. Volume 4, Number 4, 1970, 25:16514
  - Diffusion data. Volume 5, Number 1, 1971, 25:47133
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  - Improved, selective γ—γ coincidence arrangement for nondestructive determination of submicro traces of Cu in high-purity metals Be, Bi, Pb, Se, Sn, and Tl, 22:33231
- WOELFLI, W. Angular distribution of ^{238}U photofission fragments for 12 different monoenergetic γ rays, 23:13283
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- WOELLGENS, P. Kidney examinations following therapeutic doses to parenchyma of kidneys, 25:32465
  - Radiation effects on ^{75}Se incorporation in tumors following administration of $Na_2{}^{75}SeO_3$, 25:13354
- WOERNER, F. Artificial radioactivity of ground-level air, precipitation, and dust in Stuttgart—Hohenheim in the years 1963—1968, 25:23717
  - Increased radioactive fallout in Stuttgart—Hohenheim, 22:35947
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  - Influence of Chinese fission product aerosols on the contamination measured in Stuttgart-Hohenheim, 22:12469
- WOERNER, R. Two-roton bound state in superfluid He, 25:7322
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- WOESSNER, D. E. Proton and deuteron spin-lattice relaxation in n-dodecane, 23:47429
  - Simple single-coil probe for pulsed nuclear magnetic resonance, 21:4743
  - Spin-lattice relaxation and phase transitions in ND_4Br, 21:42947
  - Viscosities of protonated and deuterated water solutions of alkali metal chlorides, 23:40652
- WOFFORD, A. W. Anticipated performance of the new generation of water reactors, 21:4389
  - Nuclear power promise: how the new-generation water reactors will perform, 21:15699
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  - Application of solid-state detectors to environmental and biological problems, 21:36368
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  - Cosmic ray produced radionuclides as tracers of atmospheric precipitation processes, 22:40250 (AECL-2787, pp 567-80)
  - Cosmic ray-produced radionuclides as tracers of atmospheric precipitation processes, 22:11290
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  - Prog. rpt. on induced radionuclides in astronauts, final, 6/15/67—9/1/68, 24:32025 (N-70-15400)
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  - Studies of in-cloud scavenging rates and mechanisms using short-lived cosmogenic radionuclides, 25:48623 (BNWL-1551(Vol.2)(Pt.1), pp 9-11)
  - Subcritical multiplication of ^{252}Cf neutrons and its applications, 25:41163
- WOGMAN, Ned A. Cosmogenic and primordial radionuclides in lunar samples, 24:20724
  - Short lived cosmic ray produced radionuclides as tracers of atmospheric processes, 22:36756 (BNWL-SA-1741)
- WOHL, C. G. Interactions K^+p near 1 GeV/c, 22:50296 (UCRL-18323)
  - Reaction $K^+N \rightarrow K^*N$ in the isospin-O channel near threshold, 24:49491 (UCRL-19774)
- WOHL, Charles Scattering amplitudes, partial waves, resonant states, and production and polarization angular distributions, 22:32143 (UCID-3163)
- WOHL, Charles G. Compilation of K^+N reactions, 24:6719 (UCRL-20000)
  - Data on particles and resonant states, 21:11732
  - Data on particles and resonant states, 22:15702
  - Data on particles and resonant states, 22:32041
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  - Interactions K^+d near 1 GeV/c, 23:7088 (UCRL-18322)
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  - Review of particle properties, 23:15009
  - Review of particle properties, 24:20054
- WOHL, M. L. Neutron streaming in helical ducts, 24:6605
- WOHL, Millard L. Check of three-dimensional reactor shielding code by comparison with ML-1 reactor experiment, 24:31125 (N-70-19325)
  - Determination of intersection of particle flight path with surface of helical tubular void region, 22:41919 (N-68-18541)
  - Helical duct geometry routine for the shielding computer program FASTER, 23:48955 (N-69-31986)
  - UNAMIT: one-dimensional 4 π spherical multilayer reactor-shield-weight optimization code, 25:1875 (N-70-32598)
- WOHL, Theodore H. Irradiation effect on cognitive and emotional processes, 24:17159
- WOHLBERG, Cornel Carbide deposition on tantalum, 23:10264
  - Method of forming compacted graphite bodies, 24:2994
  - Method of preventing plutonium leakage, 24:9624
  - Process for welding nickel to niobium, 21:6782
- WOHLENBERG, T. Combination of an electron microscope and a heavy-ion accelerator, 25:2507
  - Energy loss of protons in thin films of C, Al, and Ag, 25:38532
- WOHLFAHRT, D. Program for computer processing of continuous time-of-flight spectra of inelastically scattered neutrons, 25:51884
- WOHLFARTH, E. P. Correlation effects in transition metals and alloys, 25:27868
  - Very weak itinerant ferromagnets: application to $ZrZn_2$, 22:15595
- WOHLFROMM, Marlis Low-dose x-ray effects on the precleavage mammalian zygote, 23:20391
  - Reexamination of the mouse embryonic radiation cataract studies, 25:46991
  - Resistance of the prenatal female mouse to x-ray sterilization, 21:13012
- WOHLLEBEN, D. Antiparallel weiss domains as biprisms for electron interference. II, 25:40793 (UCRL-Trans-1445)
  - Decrease of magnetization of itinerant electrons by spin—orbit scattering on impurities, 23:27712
  - Ferromagnetism and superconductivity in uranium compounds, 24:10465
  - Long-range antiferromagnetic spin correlations in scandium metal, 23:1538
  - Magnetic susceptibility of cerium metal under pressure, 25:12018
- WOHLLEBEN, Dieter Karl Magnetic properties of d^1 transition metals, 23:5487
- WOHLLEBEN, K. Activation analysis determination of Al with reaction ^{27}Al(d,p)^{28}Al for deuterons at 0.6 to 3.2 MeV, 22:27588
  - Activation analysis with deuterons, 22:27600
  - Activation analysis with deuterons, 23:47414
  - Calculation of the radiation dose in the interior of a satellite with consideration of the structure of the satellite and the angular distribution of the radiation, 23:48050 (ORNL-tr-2201)
  - Change of the concentration and mobility of charge carriers in GaAs on irradiation with protons, 21:3369
  - Damage coefficient of irradiated Si-n/p solar cells, 24:21048
  - Determination of light elements in silicon and selenium, 23:35030
  - Effect of C on critical current of Nb_3Sn, 25:56084
  - Effect of proton and deuteron irradiation on superconducting Nb_3Sn, 23:39416
  - Enhancement of superconducting critical current density in Nb_3Sn diffusion layers produced by irradiation with protons, 21:13499
  - Non-destructive determination of carbon in silicon through reaction ^{12}C(d,n)^{13}N, 22:47092
  - Nondestructive determination of C in Si by the reaction ^{12}C(d,n)^{13}N, 22:27586
  - Radiation damage to semiconductor devices from electron and proton radiation, 22:19231
  - Radiation effects on earth satellites and solar probes during solar flares, 23:30256
  - Radiation effects on earth satellites and solar probes during solar flares, 24:6318 (ORNL-tr-2248)
  - Total cross section of reaction ^{12}C(d,n)^{13}N for deuterons of 0.4 to 3.0 MeV, 22:18142
- WOHLMUT, P. G. Dominant processes in reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+p$ at 3.9 GeV/c, 24:51976
  - Effect of background on $I = 2\pi\pi$ scattering phase shifts, 23:14970
  - Features of reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^-\pi^+\pi^+p$ at 3.9 GeV/c, 24:45428 (UH-511-65-70)
  - Study of reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+p$ at 3.9 GeV/c, 23:36836 (UH-511-48-69)
  - Study of the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^-\pi^+\pi^+p$ at 3.9 GeV/c, 24:40274
- WOHLMUT, Peter G. Resonance production in the interaction $\pi^- + p \rightarrow p + \pi^+ + \pi^- + \pi^-$ AT 3.9 GeV/c, 22:15790 (UH-511-17)
- WOHLRAB, Gisela Effects of liquid holding on induction of mutations, 24:2629
- WOHLRAB, K. S. Symmetry breaking quasi-particle method for baryons and for quarks. I, 21:27414
  - Symmetry breaking quasiparticle method for baryons and quarks, 22:1427 (JINR-E2-3454)
- WOHLRAB, K.-S. Fluctuation-dissipation theorem and quasiparticle approximation, 22:26583
- WOHN, F. K. Beta spectrum shape of ^{89}Sr, 24:38184

- Beta—gamma directional correlations in ^{58}Co, ^{141}Ce and /sup 110m/Ag, 24:49830
- Decay of /sup 85m/Kr, 25:5634
- Decay of mass-separated ^{92}Y, 24:38296
- Double-focusing magnetic spectrometer, 24:44309
- Half-lives of some short-lived mass-separated gaseous fission products and their daughters, 23:19219

- WOHOFSKY, O. Small-angle scattering by radiation-induced precipitations in Pb—Ni alloys, 23:3105
- WO HONG AN Bunching of diamagnetic plasma in a magnetic dipole field, 23:32433
- WOILLEZ Automation in the control and regulation of nuclear power stations, 24:24693
- WOINOWSK, Orrine Automated acquisition, cataloging, and circulation in a large research library, 22:39971 (UCRL-50406)
- WOISIN, G. Collision experiments with models of ship components, 21:42790
  - Collision problems in atomic navigation, 21:45286
- WOIT, J. Reactor temperature transients with spatial variables. II, 22:12022 (EURFNR-415)
- WOITE, G. Analog computation model for steam-cooled direct-cycle fast reactors, 23:7386 (EURFNR-496)
  - Analog computer mode for steam-cooled fast reactor with direct cycle, 22:32770 (KFK-657)
  - Parametric study of the dynamic behavior and stability of a steam-cooled fast reactor with an integrated coolant cycle, 22:3829 (EURFNR-406)
  - Parametric study of the dynamic behavior and stability of a steam-cooled fast reactor with an integrated cooling cycle, 22:20846
  - Parametric study of the dynamic behaviour and stability of a steam-cooled fast reactor with an integrated cooling cycle, 22:35555
  - Safety aspects of steam cooled fast breeder reactors, 21:44847 (KFK-613)
  - Safety aspects of steam-cooled fast breeder reactors, 22:53365
  - Safety of steam-cooled fast reactors, 22:7803 (EURFNR-421)
  - Safety of steam-cooled fast reactors, 22:53366
- WOITE, J. Determination of reactivity rates in fast zero-power reactor SNEAK, 25:48320
- WOITKOWSKA, J. Neutron energy spectra from negative muon absorption on complex nuclei, 24:52436
- WOJACZEK, K. Neutral gas temperature in argon medium pressure discharge, 22:29504
  - Positive column in approximately Maxwell velocity distribution of electrons, 22:3023
  - Radiation of the contracted argon column at average pressure, 23:10638
  - Upper existence limit of stratified high-frequency discharge, 23:42310
- WOJACZEK, Karl Constricted discharge column in rare gases at normal pressure, 21:2269
  - Ionization-caused column contractions. I, 21:46354
  - Ionization-caused column contractions. III, 24:8465
  - Ionization-conditioned column contraction. II, 23:6996
  - Positive column of Ar low-pressure discharge in transition region. IV, 21:27175
  - Similarity relations for discharge columns in rare gases at average pressures, 21:27166
- WOJAN, Clifford A. Experimental investigation of the settling of particles in laminar flow in horizontal tubing, 22:19034 (TID-24285)
- WOJCIAK, Leslaw Electrogalvanic currents in the oral cavity and pathological changes in remote organs in dogs, 25:21582
- WOJCICKI, Andrew Manganese, Tc, and Re. Annual survey covering the year 1968, 24:22640
- WOJCICKI, S. Charge asymmetry in muonic decay of K_2^0, 21:46472
- WOJCICKI, Stanley Isobar production in $p + p \rightarrow p + p + \pi^+ + \pi^-$ at 6.6 Gev/c, 21:874
- WOJCICKI, Stanley G. Particle yields at Stanford Linear Accelerator Center and photon—nucleus interaction in 5 to 18-GeV region, 22:20113
  - Particle yields at the Stanford two-mile electron accelerator, 21:17230
  - Status of CP violation, 24:22000
- WOJCIECHOWSKA, W. Silicon detectors of nuclear radiation from homegrown production material, 24:19200 (INR-1135)
- WOJCIECHOWSKI, H. Elastic and inelastic scattering of 30.4-MeV protons by ^{54}Fe, 21:27541
  - Elastic and inelastic scattering of 26.5-MeV α particles on ^{28}Si, ^{31}P, and ^{32}S nuclei, 24:40571 (INP-699)
  - Elastic scattering of protons by ^{16}O in energy range 16 to 30 MeV, 23:39968
  - Inelastic scattering of 26.5-MeV alpha particles on ^{28}Si, ^{31}P, and ^{32}S, 24:43253
  - Resonance effects in proton—oxygen elastic scattering, 24:43153
- WOJCIECHOWSKI, J. Accumulation of ^{85}Sr, 25:8597
- WOJCIECHOWSKI, Jerzy Marian Device for semiautomatic registration of gamma radiation of osteotropic radioisotopes, 23:29608 (TT-68-50001/1, pp 116-20)
  - Investigation of osteotropic properties of radioactive chromium. I, 23:33784
  - Investigation of osteotropic properties of radioactive chromium ^{51}Cr. II, 23:33783
  - Radioactive osteotropic indicators, 23:33773
- WOJCIK, Krystyn Activation energy and frequency factor of 100°K annealing stage of simple defects in n-type Ge, 25:11954
- WOJCIK, Maira Intensification of ion exchange method for separation of lanthanides with help of HEDTA, 22:18888
- WOJCIK, W. Baryon variables in high-multiplicity interactions at high energy, 22:24550
  - Chan—Loskiewicz—Allison model applied to the $\pi p \rightarrow p5\pi$ reaction at 8 GeV/c, 24:20084
  - Jet analysis by the method of principal axis, 22:20240
  - Monte Carlo generation method for high-energy collisions of hadrons, 25:17415
  - Proton—proton and pion—proton inelastic collisions and the proton and pion form factors, 25:14729 (INR-P-1229)
  - Proton—proton and pion—proton inelastic collisions and electromagnetic form factors, 25:30977
  - Proton—proton and pion—proton inelastic collisions and the proton and pion form factors, 25:50151
  - Reaction $\pi^- p \rightarrow \pi^0 n$ at 4.0 GeV/c, 23:27751
- WOJCIK, Wojciech Jet analysis by the method of principal axis, 21:44274 (INR-807/VI/PH)
  - Partial wave expansion of density matrix, 24:43056 (CEA-N-1301)
- WOJEWSKI, Alfons Treatment of post-irradiation lesions of the urinary bladder, 21:28569
- WOJNAROVITS, L. Radiation chemistry of saturated—unsaturated hydrocarbon systems. II, 25:32003
  - Radiation chemistry of saturated—unsaturated hydrocarbon systems. I, 25:32002
  - Radiolysis of saturated and unsaturated binary hydrocarbon systems, 25:2270
- WOJNO, Teresa Radiochemical copolymerization in solid phase of maleic anhydride, 23:9458
- WOJTALIK, T. A. Environmental quality protection: large steam-electric power stations, 24:45905 (CONF-700810-14)
- WOJTASIEWICZ, A. W. Magnetic beta-ray spectrometer on beam of U-300 heavy ion cyclotron, 24:1683 (JINR-E6-4593)
- WOJTASZEK, J. H. Lagrangian theory of currents for interacting hadrons, 25:33816
  - Locally-gauge-invariant Lagrangian model, 25:7707
  - Single Regge-pole fit to 90° p—p scattering, 22:35024
- WOJTASZEK, Joseph H. Four-mass kinematics for Regge crossing, 22:5675
- WOJTCZAK, L. Critical magnetic scattering of neutrons in antiferromagnets, 23:25768
- WOJTCZAK, Leszek Analytic continuability of wave functions, 21:21108
  - Magnetic neutron scattering in thin films, 23:15340
- WOJTECH, B. Applicability of the Acid Thorex process for recovery of Th reactor fuel, 25:244
  - Laboratory and hot-cell experiments on applicability of Acid Interim-23 process, 25:39573
  - Thorex two-stage process for reprocessing thorium reactor fuel with high burnup, 25:57541
- WOJTECH, Bernhard Processes for improved fission product separation in the reprocessing of highly burnt up thorium-containing nuclear fuels, 25:48583
- WOJTECH, Leonard Calorimeter for the determination of absorbed dose in aqueous media, 24:41699
- WOJTEZAK, Jan Ultraviolet and x-radiation effects on aqueous solutions of sodium peroxymolybdate, 21:14270
- WOJTKOWSKA, J. Excitation of isomeric activities in ^{71}Ge, ^{78}Br, and ^{79}Br using 14.8 MeV neutrons, 24:47627
  - Excitation of isomeric activities in ^{71}Ge, ^{78}Br, and ^{79}Br using 14.8-MeV neutrons, 25:12430 (INR-P-1091)
  - Fast neutron excitation of isomeric activities in ^{112}In and ^{114}In isotopes, 22:30003
  - Fast neutron excitation of isomeric activities in ^{112}In and ^{114}In isotopes, 23:21335 (ZFK-130, pp 233-8)
  - Neutron energy spectra from $(\mu^-,\nu n)$ reaction on ^{32}S and ^{40}Ca, 23:19242
- WO KUONG AN. Equilibrium plasma configurations in magnetic fields close to neutral point. II, 24:17966
- WOLBARSHT, Myron L. Thermal model for retinal damage induced by pulsed lasers, 22:28698
- WOLBECK, B. Existence of directional correlations between K x rays following electron capture and nuclear gamma rays, 22:18232
  - Gamma—gamma and electron-gamma angular correlation studies in the decay of ^{75}Se, 22:42080
  - Hyperfine interaction in polycrystalline paramagnetic ytterbium oxide, 25:46066
  - Moessbauer effect of 129-keV transition in ^{195}Pt, 25:19877
- WOLBER, G. Atomic beam magnetic resonance investigations of ^{12}C and ^{13}C, 24:40569
  - Hfs separations in ground state multiplet of ^{13}C, 23:44839
  - Operating experience and results obtained with TRIGA research reactor, 25:60173
  - Precision measurement of hyperfine structure of ^{175}Lu, 25:13986
- WOLBER, W. G. Comment on channeltron fatigue and efficiency for protons and electrons, 23:45597
  - Long-term stability characteristics of commonly used channel electron multipliers, 24:39248
  - Preamplified Spiraltron electron multiplier, 24:25278
  - Techniques for suppressing anomalous response to vacuum ultraviolet radiation in the charged-particle lunar environment experiment, 22:51230
- WOLBERG, J. R. Applying prediction analysis to the measurement of half-life, 22:18338
  - Applying the method of prediction analysis to the problem of peak separation, 22:334
  - Measurement of leakage kernels and slowing down parameters using the pulsed source technique, 21:25418
  - Steam generator model for dual purpose nuclear power plant simulation, 24:38619
- WOLBERG, John R. Prediction analysis of the classical axial buckling experiment, 22:33045
  - Prediction analysis of the Gaussian function, 21:36211
- WOLBERT, Peter Ecdysial rate of wax moth after x-irradiation wounding and combined injury in pupal instar, 24:36806
- WOLCOTT, J. H. Local time behavior of the alignment and position of a stable auroral red arc, 24:26084
- WOLCOTT, John Heren Search for solar neutrons, 23:44118
- WOLCOTT, N. G. Fabrication and characterization of uranium—plutonium carbide fuel pellets, 23:36206
- WOLCOTT, N. M. Ferromagnetism of $CrBe_{12}$, 22:36985
  - Magnetic behavior of intermetallic compounds of beryllium, 23:30670
  - NMR studies in paramagnetic and ferromagnetic $CrBe_{12}$, 22:44265
- WOLCOTT III, James Franklin Ion exchange separation and flame emission spectrometric determination of trace impurities in rare earth metals and compounds, 22:25238 (IS-T-223)
- WOLD, A. Electrical and magnetic properties of $TaSe_2$ and $NbSe_2$, 24:21886
  - Low-temperature transport properties of $NbSe_2$, 23:16765
  - NMR and magnetization studies of $CdCr_2Se_4$, 22:26521
  - Preparation and electrical properties of $NbSe_2$ and WSe_2, 21:36911
- WOLD, Aaron Electrolytic growth of MoO_4, 21:1372
- WOLD, Donald Clarence Nuclear wave functions of ^{90}Zr and the $^{90}Zr(\alpha,\alpha'\gamma)$ reaction, 23:13289
- WOLD, E. Influence of the nuclear quadrupole moment on the electron radial wave function, 21:25559
- WOLD, Einar Centrifugal stretching model and the deviation from the L(L + 1) rule for rare-earth nuclei, 23:32933
  - Ground state bands of doubly even nuclei, 25:15203
- WOLD, G. J. Evaluation of physician exposure during cardiac catheterization, 25:37813
  - New rectal dosimetry catheter, 23:11868
  - Review of radium incidents in USA, 24:7834
- WOLD, Gary J. Review and analysis of radium incidents, 23:9934 (MORP-68-7)
- WOLD, John S. Project Thunderbird: nuclear trigger for coal gasification, 22:10423
- WOLDRING, M. G. In the scanning of the stomach, 22:8451
  - Scanning the brain with various radioisotopes, 23:29626
- WOLDRINGH, H. H. Extension of the derivation of the diffusion length for neutrons in a medium with small absorption, 25:28150 (RCN-134)
- WOLDRINGH, S. H. Start-up nuclear power station Dodewaard, 24:52810
- WOLEK, H. Angular correlations in ten-prong π^+—p interactions at 8 GeV/c, 22:48236
  - Coulomb interaction in elastic and almost elastic scattering of hadrons from nuclei, 24:52123
  - Multiple collision theory and optical model of high-energy scattering from nuclei, 23:19164
  - Role of Coulomb interactions in elastic and almost elastic scattering of hadrons from nuclei, 24:20094 (INP-687)
- WOLEK, Halina Angular correlations between pions in ten-prong π^+ -P interactions at 8 GeV/c primary π^+ -momentum, 22:29625 (INR-876/VI/PH)
- WOLETZ, W. Modular program system for experimental programing for the PDP-9, 25:8572 (HMI-B-96)
  - Modular programming system for programming experiments on PDP-9, 25:42181 (CERN-Trans-71-18)
- WOLEVER, T. H. S. Radiation protection calculations: a systematic approach, 21:43099
- WOLF, A. Angular distribution of gamma rays following (α,n) and (p,n) reactions, 22:18187
  - Angular distribution of gamma rays following reaction $^{68}Zn(p,n)^{68}Ga$, 22:26998
  - Angular distributions of gamma rays following (α,n) and (p,n) reactions, 22:32549
  - Anomaly in the (γ,γ') reaction, 24:47603
  - Energy levels of ^{203}Tl using (γ,γ') reaction, 24:6934
  - M2 radiative widths of nuclear levels at about 7 MeV excitation, 25:50678
  - Nuclear levels excited by neutron capture γ rays, 25:15002
  - Problems concerning innocuity of food preserved by ionizing radiation, 22:43514
  - Sanitary admissibility of foodstuffs exposed to ionizing radiation, 25:47078
  - Study of the energy levels of ^{203}Tl using (γ,γ') reaction, 25:5713
  - Use and processing of pure U, 23:46022
- WOLF, A. P. Automatic GLPC apparatus for analysis of organic compounds, 24:18910
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  - Evidence for ^{11}C stripping and abstraction reactions leading to acetylene formation, 25:15711
  - Reaction intermediates in the chemistry of recoil carbon atoms, 22:14528
  - Reactions of energetic carbon atoms with nitrogen molecules, 21:120
  - Zone refining for the separation of radioactive trace contaminants from organic compounds, 22:8191
- WOLF, Alfred A. Thermodynamic properties and superconductivity of Ohmic materials, 24:32795
- WOLF, Alfred P. Chemical effects following $^{14}N(n,p)^{14}C$ in magnesium nitride, 24:5693
  - Effect of radiation on reactions of recoil ^{11}C in N—O system, 22:33453
  - Effect of radiation on the reactions of recoil ^{11}C perfluorocarbon—oxygen systems, 24:41359
  - Fromation of excited intermediates in recoil carbon atom reactions, 24:4332
  - Mechanisms and isotope effects in the reactions of energetic carbon atoms with hydrocarbons and alkylfluorides, 24:2241
  - New window flow proportional counter for counting radioactive gas-liquid partition chromatography effluents, 21:10668
  - Production and reactivity of ^{11}C in solid compounds, 24:235
  - Radio-gas-chromatographic analysis of ^{11}C-labeled isotopic ethylene and acetylene, 21:39016
  - Reactions of energetic ^{11}C-atoms in fluorohydrocarbon systems, 23:9448
- WOLF, B. A 300-MW fast ceramic demonstration reactor, 22:16189
  - Atmosphere of A0 Ib supergiant eta Leonis, 25:22250
- WOLF, C. J. Organic analysis of the Pueblito de Allende meteorite, 24:46824

- WOLF, Clarence J. Radiolysis of liquid and solid dimethylmercury, 23:268
- WOLF, D. 14-MeV-neutron irradiation of p-type germanium, 25:56305
  - Effect of 14-MeV and reactor neutrons on Ge, 24:21881
  - Reactor—neutron irradiation of semiconductor single crystals, 21:31053 (BMwF-FBK-67-27)
- WOLF, Dieter Annealing processes in Ge irradiated at 77°K with 14-MeV neutrons, 25:17275
  - Influence of reactor neutrons on electric conductivity and Hall effect of Ge single crystals, 21:7357
- WOLF, E. Calculus for functions of noncommuting operators and general phase-space methods. I, 25:7517
  - Calculus for functions of noncommuting operators and general phase-space methods. III, 25:7519
  - Calculus for functions of noncommuting operators and general phase-space methods. II, 25:7518
  - Determination of Ta with Nile blue A, 23:40552
  - Dynamics of a power supply with a moderated thermionic reactor, 24:38616
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  - Mutual neutron interchange through vacuum between boundary surfaces of reactor parts, 25:18203
  - Nuclear calculations on thermal thermionic reactor system for space, 22:32946
  - Optimization of the cell dimensional parameters of an incore thermionic fuel element, 25:10226
  - Optimization of the cell dimensional parameters of an in-core thermionic fuel element, 25:18202
  - Power limitations of an in-core thermionic cell in steady-state operation, 25:37090
  - Quantum dynamics in phase space, 22:39223
  - Results of studies on thermionic reactor systems, 23:11318
- WOLF, E. D. Measurement of lattice damage caused by ion-implantation doping of semiconductors, 25:56287
- WOLF, E. L. Annealing of fast neutron damage in impurity-conducting N-type germanium, 21:848
  - Annealing of fast neutron damage in impurity-conducting n-type germanium, 21:9208
  - Annealing of fast neutron damage in impurity-conducting N-type germanium, 21:15218 (N-66-35227)
  - Annealing of radiation effects in Sb-doped Ge, 21:13212 (N-66-33386)
- WOLF, Emil New model for the interaction between a moving charged particle and a dielectric, and the Cherenkov effect, 25:43588
- WOLF, F. Chromosome aberrations and changes in mitosis following therapy, 25:24053
  - Complex adsorption of uranium and iron on strongly basic anion-exchange resins, 21:34327
  - Influence of the fixed ions of anion-exchange resins on the adsorption of metal complexes, 21:32245
  - Quantitative evaluation of ^{131}I-hippuran renal clearance based on a model, 25:11160
  - Results of renograms evaluated by computer analysis based on a non-compartmental model, 25:11161
  - Scintigraphic diagnosis by means of short-lived radionuclides, 25:58060
- WOLF, F. A. Energy dependence of charge-transfer reaction $N_2^+ + O_2 \rightarrow N_2 + O_2^+$ in thermal and low electron volt region, 23:27364
  - Energy distribution of final products in molecular collisions, 25:52671
- WOLF, F. T. Fluorescnece of carotenoids, 22:19290
- WOLF, Fred TOPS RTG nuclear radiation environment analysis, 25:4242
- WOLF, Fred A. Energy dependence of charge-transfer reactions in the thermal and low-electron-volt region, 22:34268
- WOLF, Friedrich Synthesis and metal ion selectivity of 4-vinylpyridine—acrylonitrile or acrylic acid-p-divinylbenzene-copolymers, 22:45059
- WOLF, G. Analysis of vector-meson production, 24:18117
  - Analysis of vector-meson production by polarized photons, 24:49384
  - Endolymphatic radioisotope therapy with ^{32}P in malignant diseases of lymphatic system, 25:44861
  - Experiments on the e^+-e^- storage ring, 25:52990 (DESY-71/28)
  - Gamma-p total hadronic cross sections at 7.5 GeV, 23:5518
  - Incorporation (^{3}H—thymidine) in human gastric mucosa in gastritis (autoradiographic investigation), 21:43488
  - Interactions γp at 5.25 GeV, 24:3502
  - Partial photoproduction cross sections up to 12 GeV, 23:5517
  - Reaction pp $\rightarrow$ pnπ^+ at 10 GeV/c and OPE model, 22:11594
  - Reaction pp $\rightarrow$ pnπ^+ at 10 GeV/c and the OPE model, 21:25230 (DESY-67/4)
  - Shrinkage effects and one-pion exchange, 21:44371
- WOLF, G. H. Behavior of a high-beta plasma in toroidal magnetic field with superimposed multipole field, 21:27113 (MPI-PAE/P1-4/65)
  - Diffusion and stability of high-β plasma, 23:32461
  - Dynamic stabilization of hydrodynamic interchange instabilities: a model for plasma physics, 25:27791
  - Dynamic stabilization of Rayleigh—Taylor instability and corresponding dynamic equilibrium, 24:5031 (IPP-1/96)
  - Dynamic stabilization of the interchange instability of a liquid-gas interface, 24:19909
  - Estimate of a toroidal, magnetohydrodynamically stable, high-β dynamic equilibrium, 23:30571
  - Formation of an axisymmetric bulged region in a long uniform plasma column, 25:19709
  - High-frequency analogue model for measuring magnetic field disturbances in a theta pinch coil, 22:46101 (IPP-1/80)
  - Improved magnetic field symmetry in corrugated theta-pinch coil, 24:3410
  - Inductive lenses for improved magnetic field symmetry in a corrugated theta pinch coil, 23:32485 (IPP-1/89)
  - Investigation of the minima in the particle confinement time in the Wendelstein IIa stellarator, 25:38370 (CONF-710607-103)
  - Model for measuring magnetic field disturbances in theta pinch coil, 23:39500
  - Preliminary investigation of corrugated theta pinch ("Limpus") at Isar I, 21:11668 (IPP-1/55)
  - Stability of a bulged theta pinch, 24:51705
  - Toroidal theta pinch in M and S configuration, 21:37409 (IPP-1/63)
  - Use of the M and S configuration in theta pinches, 23:34375 (NP-tr-1794)
  - Use of the M and S configuration in theta pinches, 23:44386
- WOLF, G. K. Chemical behavior energy-rich cobalt ions in cis and trans isomeric complexes, 23:38020
  - Decay properties of ^{206}Hg and reaction ^{208}Pb(p,3p)^{206}Hg, 22:44691
  - Dependence of the chemical behaviour of molybdenum recoil atoms in metal carbonyls on the energy and the isotope, 25:15717
  - Dependency of chemical behavior of Mo recoil atoms in metal carbonyls on energy and isotope, 24:13873 (KFK-1067)
  - Doublet in ^{206}Tl, 24:52619
  - Use of chemical reactions of recoil atoms for radionuclide separation. I, 25:181 (KFK-1257)
  - Use of chemical reactions of recoil atoms for on line separations, 25:44404 (BMBW-FBK-70-28, pp 168-74)
- WOLF, George William Elliptical polarization of starlight, 25:35618
- WOLF, Gerhard Resistance stability of electron-beam vapourized tantalum layers, 24:17298
- WOLF, Gerhard K. Stereospecific retention in cis- and trans-isomers of cobalt complexes, 21:117
- WOLF, Guenter Inelastic diffractive rho photoproduction and Compton scattering, 25:22737
  - Inelastic diffractive rho-photoproduction and Compton scattering, 25:3308 (DESY-70/45)
  - Photoproduction of vector mesons, 25:25280 (DESY-70/54)
  - Pole extrapolation, 24:30590 (CONF-690521-, pp 689-714)
  - Single- and double-pion production by one-pion exchange, 23:42683
- WOLF, H. C. Delayed fluorescence and phosphorescence in pure naphthalene crystals, 25:41813
  - ESR investigations of naphthalene-dg : naphthalene-hg-mixed crystals in their triplet state, 22:33355
  - Fluorescence decay times of two Davydov components in naphthalene crystals, 23:2606
  - Temperature dependence of sensitized fluorescence in naphthalene crystals, 23:2287
- WOLF, H. D. Investigations of Sm—Co and Gd—Co systems, 24:51178
- WOLF, H. G. Attempts at transmission of the radiation-induced canine myeloproliferative syndrome to dogs and marmosa mitis, 24:29866 (UCD-472-116, pp 87-8)
  - Cytogenetic effect of in vitro irradiation of Marmosa mitis lymphocytes, 24:29731 (UCD-472-116, pp 121-2)
  - Cytogenetic effects of x irradiation and ^{90}Sr in Marmosa mitis, 23:12052 (UCD-472-115, pp 110-12)
  - Hematologic and cytogenetic changes in Marmosa ingesting ^{90}Sr, 24:29872 (UCD-472-116, pp 119-20)
  - In vitro x-irradiation effects on cultured marmosa mitis lymphocytes, 25:6675 (UCD-472-117, pp 101-2)
  - Marmosa mitis, small marsupial for studies in radiation biology, 23:12051 (UCD-472-115, pp 104-5)
  - Material-fetal transfer of ^{137}Cs and ^{131}I, 24:23071 (CONF-690501-, pp 117-20)
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  - Translocation of ^{90}Sr from maternal skeleton to progeny during gestation and lactation, 23:12034
- WOLF, H. J. g-factor of 364 keV state of ^{184}W, 24:32921
  - Gross radioactivity in airborne dust, 25:57575 (RA-42)
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- WOLFRUM, J. Rate of the reaction of atomic hydrogen with acetylene. II, 25:29043
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  - On-line technique for measuring independent fission yields, 25:44507 (BMBW-FBK-70-28, pp 68-77)
  - Purification of transplutonium actinides produced in underground thermonuclear explosions, 21:39008
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  - Correction to the effect of anharmonicity on isotopic exchange equilibria, 25:8246
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- WOLKE, Robert L. Nuclear chemistry research. Annual report, January 1970—December 1970, 25:21065 (NYO-2771-40)
  - Prog. rpt. on nuclear chemistry research, annual, 1/68—1/69, 23:19158 (NYO-2771-29)
  - Prog. rpt. on recoil studies of nuclear reactions, annual, 1966, 21:12024 (NYO-2771-19)
  - Prog. rpt. on recoil studies of nuclear reactions, annual, 1/67—1/68, 22:18122 (NYO-2771-25)
  - Prog. rpt. on recoil studies of nuclear reactions, annual, 1—12/69, 24:22075 (NYO-2771-36)
- WOLKENHAUER, W. C. Hanford as a site for a controlled thermonuclear power plant prototype, 25:30552 (BNWL-B-47)
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- WOLKENSTEIN, Th. Conference on electronic phenomena in chemisorption and catalysis on semiconductors, Moscow, 7/68, 24:37564
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- WOLKOFF, J. The EBR-II skull reclamation process. Part V. design and development of plant-scale equipment, 25:23642 (ANL-7772)
- WOLL, D. Card image format of Karlsruhe evaluated nuclear data file, KEDAK, 23:28271 (EURFNR-611)
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- WOLLAN, J. J. Resonant scattering in La—Ce, 25:7339
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- WOLLAN, Ralph O. Radioactive waste disposal at a large university, 24:7622
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  - Suitability of technetium-labeled erythrocytes for the examinations of the splenic function, 25:42570
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- WOLLER, Peter Experiences with colloidal /sup 99m/Tc, 21:34729
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- WOLLESEN, M. Investigation of scattering of fast neutrons by time-of-flight method by means of a Van de Graaff accelerator, 21:31770 (BMwF-FBK-67-04)
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  - Correction of image aberrations of second order for mass or energy separators consisting of one single magnetic sector field, 21:36462
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  - Ion-optical properties of focusing parabolic spectrograph suitable for the separation of nondecelerated fission products, 25:39777 (JUL-713-NP)
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  - Second order transfer matrices of real magnetic and electrostatic sector fields, 21:29693
  - Third order transfer matrices of the fringing field of inhomogeneous magnet, 24:13257
- WOLLRAB, James E. Microwave spectra of the first-excited torsional states and barrier to internal rotation of dimethylamine, 25:10551
  - Microwave spectrum of methylbromodiazirine, 24:48075
  - Rotational spectra of substituted diazirines. III, 23:40674
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  - Prog. rpt. of the Nuclear Consortium at the UCLA Cyclotron Laboratory, annual, 1969, 24:8832 (UCLA-10-P-18-13)
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  Nucleon—nucleon spin orbit potential from cluster model calculations on light nuclei, 22:1704 (BMwF-FBK-67-69)
WURSTER, Eva J. Distortion effects in elastic α-d scattering, 24:45728
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WURSTHORN, Armin M. Conference on energy production in space, Stuttgart, 12/65, 21:28138
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  High-temperature x-ray study of $^{238}PuO_2$, 24:21434 (MLM-1690)
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WYER, R. R. Irradiation system for cryogenic experiments in the Plum Brook reactor, 21:19807 (CONF-660511-, pp 1.8.1-22)
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- Veneziano formulation of pion—nucleon scattering, 24:18190
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- WYLD, K. Elastic and inelastic scattering of neutrons in energy range 2 to 5 MeV by ^{10}B and ^{11}B, 25:3559 (AWRE-O-45/70)
  - Neutron scattering by ^{235}U and ^{239}Pu for incident neutrons of 2, 3, and 4 MeV, 23:52141 (AWRE-O-55/69)
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  - Prospecting with neutrons, 23:49958
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- WYLIE, W. A. Nitrogen isotope effect study of an aromatic nucleophilic substitution reaction, 24:29279
- WYLIE, W. R. Differential excitation curves from thick target neutron spectra, 24:30881
  - Isobaric analog pair ^{57}Fe—^{57}Co, 25:20336
  - Thick-target ^{16}O(d,n)^{17}F yield curves, 25:3586
- WYLIE, William Richard Neutron source reactions and ^{12}C(d,n$_0$)^{13}N differential yield curves by a thick-target method, 24:28680
- WYLLER, Arne A. Molecular dissociative equilibria in carbon stars, 22:11157
  - New ^{12}C^{14}N search regions in the solar spectrum, 24:25895
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- WYLY, L. D. Directional correlations γ—γ in decay of ^{192}Ir, 24:6937
  - Directional correlations in the decay of ^{149}Pm, 22:44726
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  - γ—γ directional correlations in the decay of ^{125}Sb, 24:40655
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- WYMAN, Marvin E. Bent-crystal spectrometer measurement of the intensities of x rays coincident with fission of ^{235}U, 21:31811
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  - Laboratory and engineering studies of sol—gel processes at ORNL, 22:26073 (ORNL-TM-2205)
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  - Status and progress report for thorium fuel cycle development for January 1, 1969—March 31, 1970, 25:19260 (ORNL-4629)
- WYNANDS, A. Behavior of toroidal electric arcs, 25:40642
  - Numerical calculations and description of toroidal arcs by model theories, 25:3088
- WYNBLATT, P. Calculation of migration energies and binding energies for tungsten adatoms on tungsten surfaces, 24:46725
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  - Neutron resonance spectroscopy. VI, 22:18225
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- WYNCHANK, S. A. R. Correlation of the energy of single-neutron resonances determined by time-of-flight methods, 21:29845
  - Energy calibration of neutron velocity spectrometers, 21:6212
- WYNCKE, Bruno Pyroelectric properties of some substances and their application to infrared detection, 21:45375 (UCRL-Trans-10127)
- WYNDHAM, C. H. Biostatistical investigation of lung cancer incidence in South African gold/uranium miners, 25:52064 (A/CONF.49/P-659)
- WYNDHAM, J. D. Positions for 3C revised radio sources, 21:43686 (AD-645526)
- WYNN, M. J. Electron detachment in collisions of O$^-$, OH$^-$, and O$_2^-$ ions with rare-gas atoms, 24:19767
- WYNN, Marion John Electron detachment in collisions of O$^-$ ions with rare gas atoms, 21:7033
- WYNN, V. T. Measurement of the magnetic susceptibility of beryllium, 25:9578
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  - Solar daily disturbance variations in the lower ionosphere, 22:9207
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- WYNROE, A. G. Electroproduction of pions, 22:9500
  - Electroproduction of pions, 22:11567 (DESY-67/31)
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  - Electroproduction of rho^0 mesons, 22:15716
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- WYRICK, John M. Beta—gamma directional correlation of ^{203}Hg, 25:59795
- WYSE, Eduardo P. Radioiodide in Graves' disease, 22:49626
- WYSOCKI, J. J. Lithium-doped radiation-resistant silicon solar cells, 21:6383
  - Prog. rpt. on recovery from radiation damage in solar cells, annual, 6/21/66—6/20/67, 22:36157 (N-68-17065)
- WYSOCKI, Joseph J. Role of lithium in damage and recovery of irradiated silicon solar cells, 22:13292
- WYSOCKI, K. Use of radioactive ^{64}Cu in chronic liver diseases, 23:48109
- WYSOCKI, Kazimierz Metabolism of radioactive zinc in the liver damaged with C tetrachloride. III, 21:28368
  - Metabolism of radioactive zinc in the liver damaged with C tetrachloride. II, 21:28556
  - Radioactive copper metabolism in chronic liver diseases, 23:4894
- WYSOCKI, S. Groups of penetrating particles in EAS, 25:45630 (INR-1279)
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- YAGI, Kohsuke Effective proton-neutron interactions in the nuclei of 90 less than or equal to A less than or equal to 140, 24:20384 (JAERI-1184, pp 92-5)
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- YAGI, Masuo Chemical behavior of ^{56}Mn in alkali metal permanganates, 23:40718
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  - Moessbauer spectra of sulpho-spinels containing Fe^{3+} ions, 22:24422
- YAGO, Nagasumi Effect of whole-body x-irradiation on α-glucan phosphorylase activity in livers of intact and adrenalectomized rats, 22:40569
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  - Effects of ACTH and whole-body x-irradiation on the concentrations of enzymes, nicotinamide nucleotides, and cytochromes in rat-adrenal, 23:16231
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- YAGODIN, G. Coordination of international research on nuclear desalting, 22:14628
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  - Photometric determination of zirconium and hafnium with pyrocatechol violet in sulphuric acid solutions, 21:45059
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  - Applicability of the random phase approximation to the collective excitation in spherical even nuclei, 22:27316
  - Effect of Pauli principle on collective oscillations in spherical even nuclei, 22:3736
  - Random phase approximation and a new renormalization effect of the force-strength in collective excitations, 22:20748
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- YAMAMURA, S. S. Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report IX. Second report on uranyl nitrate, 24:46459 (TID-25510)
  - Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report II. First report on uranyl nitrate, 24:48242 (TID-25516)
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  - Measurement of the radiation width of the 2.85 keV neutron resonance and of the thermal neutron capture cross section in sodium, 24:52482
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- YAMANOUCHI, Sadamu Hot hardness of pure Fe and pure Ta, 24:36470
- YAMANOUCHI, T. Antihyperon, hyperon, and two-body reactions in 13 Gev/c K^+p collisions, 22:3269 (UR-875-218)
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  - Studies on radiation-induced ionic polymerization. II, 21:119
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  - Effect of partial marrow shielding on hematopoietic recovery in heavily irradiated mice, 25:58124
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  - Observation of galactic x rays, 22:15298
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- YAMASHITA, Takeo Effects of ageing on magnetic properties of roll-flattened Mo—Permalloy ribbons, 22:31366
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  - Limitation on ion cyclotron heating in local mirrors of C stellarator, 21:27126
  - Plasma confinement in the JAERI hexapole with high toroidal field, 25:38328 (CONF-710607-6)
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- YAMATO, Harumi Recent development in controlled nuclear fusion research, 25:17217
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  - Thermodynamic properties of ternary refractory carbides. III, 25:27283 (N-71-10590)
  - Thermodynamic properties of ternary refractory carbides. II. Zirconium—uranium—carbon and zirconium—hafnium—carbon, 25:55614
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- YAMAUCHI, Taeko Spectrophotometric study and analytical application of rare-earth tiron complexes. II, 25:41730
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- YAMAWAKI, M. High temperature reaction between uranium monosulfide and zirconium, 25:29965
- YAMAWAKI, Michio Effect of zirconium alloying on high temperature oxidation of niobium, 23:1057
  - High temperature oxidation properties of Nb—Al and Nb—Be alloys in the temperature range 485° to 1035°, 25:22022
- YAMAYA, Kazuhiko Superconductivity and magnetic susceptibility of Zr_2Co—Zr_2Ni system, 24:51576

YAMAYA, S. Sintering and structure of TiC—Ni—Mo compacts, 25:8928 (UCRL-Trans-10505)
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YANENKO, N. N. Conference on numerical methods in the mechanics of viscous fluids, Kiev, 9/68. II, 25:46417 (UCRL-Trans-10499)
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- YATES, P. B. Instrument for analysis of natural uranium solutions by gamma absorptiometry, 25:458 (AAEC/TM-557)
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  - Experimental study of runaway electrons in an axial-field plasma betatron, 23:27625
  - Experiments of plasma confinement in JIPP stellarator. I, 25:30457 (IPPJ-102)
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  - Effect of route of administration and radiation on ^{3}H-actinomycin D binding by mouse hepatocyte DNA, 25:11285
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- YAWATARI, Kei Influence of ^{60}Co γ-ray on potato, 25:19160
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  - Approximation for form factors of nuclear stripping and pick-up reactions, 21:27644
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YEAGER, W. M. Search for A(1330) in K^{-}, p interactions at 740 MeV/c, 24:40268 (ORO-3065-22)
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YIGLANE, Kh. Proceedings of the 1965 summer school on elementary particle physics, Kaariku, Estonian SSR, 8/65. I, 21:41819
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- Penetration of hydrogen ions into copper, 21:46137
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- ZATS, A. V. Energy level distribution of N$_2^+$ ions produced in collisions between electrons and N molecules, 21:33148
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- ZEIGLER, S. L. Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. I, final, 8/70, 25:46310 (N-71-15162)
  - Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. 5, final, 8/70, 25:54223 (N-71-15166)
  - Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. 3, final, 8/70, 25:54221 (N-71-15164)
  - Prog. rpt. on radiation shields for nuclear rocket systems, final, 1967. VII, 22:39857 (N-68-13507)
  - Prog. rpt. on radiation shields for nuclear rocket systems, final, 1967. VIII, 22:39858 (N-68-13508)
- ZEIL, Werner Preparation and infrared spectra of $(CH_3)_3$GeC-CH, $(CH_3)_3$GeC-CD, $(CH_3)_3$SnC-CH, $(CH_3)_3$SiC-CCH$_3$, $(CH_3)_3$GeC-CCH$_3$, and $(CH_3)_3$SnC-CCH$_3$, 21:25848
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  - Reaction cross sections on ^{90}Sr for reactor neutrons, 21:2726
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  - Ground-state splitting of trivalent Gd and Cm in $ZrSiO_4$, $HfSiO_4$, and $ThSiO_4$, 23:25461
- ZELDES, N. Adjusted nuclear masses for 130 less than or equal to A less than or equal to 208, 24:1825
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  - Shell-model semi-empirical nuclear masses. II, 22:18335
- ZELDES, Nissan Shell model approach to nuclear masses and some problems connected with extrapolation, 22:30090
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- ZEL'DOVICH, B. Ya. Charge asymmetry in $K^{0} \rightarrow \pi^{+} + \pi^{-} + \pi^{0}$, 22:7537 (ITEF-516)
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  - Polarization of finite particles in processes $e^{+}e^{-} \rightarrow 2\gamma$ and $e^{+}e^{-} \rightarrow \mu^{+}\mu^{-}$ at high energies, 22:39318
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- ZELEN, Marvin Exposure of cloudman S-91 melanoma in the CDBA/2F$_1$ hybrid mouse to neodymium or ruby laser radiation, 21:12943
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  - Influence of some parameters on chemical composition of aqueous solutions of unlabelled and ^{32}P labelled meta and pyro phosphoric acids, 21:4486 (INR-726/XIII/C)
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- ZELENAY, T. Determination of fission product ^{148}Nd for burn-up, 23:47415
- ZELENAY, T. Z. Computer program for elaboration of ^{148}Nd measurements, 25:23531 (INR-1195)
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- ZELENIN, G. V. Behavior of a high-temperature plasma under current heating in the high-shear stellarator Uragan, 25:38378 (CONF-710607-111)
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- ZELENSKII, V. N. Heat-exchange crisis of two-phase mixture, 24:39136
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- ZELENSKIY, V. F. Influence of condition of impurities on strain orientation in low-alloyed alpha uranium, 22:36490 (JPRS-45470)
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- ZELENT, Iuliiush Effect of a high-frequency electric field on a glow discharge plasma, 21:9525
- ZELENTSOV, V. V. Magnetic susceptibility of solid solutions $U(C_2O_4)_2.2H_2O—Th(C_2O_4)_2.2H_2O$, 21:25861
  - Magnetic susceptibility of the $Pu(C_2O_4)_2.3H_2O—Th(C_2O_4)_2.2H_2O$ system, 22:18792
- ZELENTSOVA, M. V. Si(Li)-detectors for diagnosis of neoplasm of the skin, 25:55273
- ZELENTSOVA, S. P. Effect of intermittent infrared radiation on the status of natural immunological reactivity of workers, 24:50943
- ZELENY, V. Allogeneic inhibition of the colony-forming capacity of bone marrow cells, 24:8006
  - Comparison of colony-forming performance of bone marrow cells in syngeneic and allogeneic cellular environment within a single host, 25:26670
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  - Irradiation effects on reactor structural materials, 22:31416 (BNWL-532, pp 7.1-18)
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- ZELICKSON, Alvin S. Effect of sunlight on human epidermis, 24:17151
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- ZELL, H. New level in ^{24}Na at 1.51 MeV, 21:38281
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- ZELLE, Max R. Genetic analysis of a large-cell, radiation-resistant strain of Escherichia coli, 24:42040
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  - Large-cell radiation-resistant strain of E. coli. I, 23:45689 (ANL-7535, pp 1-3)
- ZELLER, Anke N. Low-rate thermoluminescence decay processes shown in building stones, 22:29541 (COO-1057-38)
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  - Geologic dating by electron spin resonance, 22:6479
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- ZELLER, Edward J. Chemical reactions resulting from heavy particle bombardment of diamond, 23:15888
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- ZELLER, Michael Edward Decay of K$^+$ meson, 23:1588
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ZELYAKOVA, D. I. Efficiency of antibiotics under γ irradiation, 25:21860
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ZEMAN, J. L. CANDID-1D: one-dimensional, multigroup diffusion-theory program, 22:7610 (ANL-7319)
ZEMAN, Jaroslav Critical assembly with internal experimental zone RVEZ-1, 23:37618
ZEMAN, R. C. Pathology and familial incidence of thyroiditis in a closed beagle colony, 24:41981
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ZEMAN, V. Early manifestation of anaplastic thyroid cancer after radioiodine treatment for toxic nodular goitre, 25:52237
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ZEMAN, W. Brain study in ballon-borne monkeys exposed to cosmic rays, 24:46662
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ZEMANEK, E. N. Spectrophotometry of sunspot observed on June 19, 1959, 21:41705 (NASA-TT-F-455, pp 59-64)
ZEMANEK, Joseph Jr. Downhole system for storing and reading out detector signals for transmission to the surface at relatively low frequency, 23:22111
ZEMANEK, R. Changes in reactivity of children after irradiation of nasopharynx, 25:44955
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ZENG, Xi-zhi Intermediate vector boson effects in high-energy πN elastic reactions, 21:4030
ZENIN, V. A. Characteristics of accelerated proton beam at 70 GeV accelerator, 25:45836 (IFVE-SKU-70-58)
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ZEPEDA, A. Gradient terms in scalar density-charge density commutator, 25:53129 (NYO-4204-15)
ZEPEDA GOROSTIZA, Joaquin Analysis of different modes of preparation of high purity nuclear graphite, 21:36905 (NP-16716)
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ZERBI, G. Normal coordinate analysis of ethyl chloride and some deuterated derivatives, 25:57422
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- High-field magnet for a hydrogen arc experiment, 25:6451 (IPP-4/73)
- ZICKUHR, J. R. Rocket-borne celestial x-ray proportional counter system, 25:39707 (UCRL-51007)
- ZIDAN, E. Abdel-al Storage life of initially sprouted potato tubers by gamma radiation, 23:22448
- ZIDAROV, Dimitar Secular changes in earth's magnetic field in Bulgaria during 1955—64, 22:26306
- ZIDERMANE, A. A. Antitumoral and toxic effect of cyclophosphane and preparation IF-202, 23:24690
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- ZIEBA, Andrzej Half-closed spaces in relativistic astrophysics, 24:28065
- ZIEBA, K. J. Measuring the absolute yield of 14 MeV neutrons by associated particle counting, 21:4202
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- ZIEBOLD, T. O. Energy dependence of fast-neutron radiation hardening in iron, 25:40083
  - Influence of nuclear radiation on pool-boiling heat transfer to liquid helium, 23:33327
  - Low-temperature thermal conductivity of copper irradiated with reactor neutrons, 24:39671
  - Radiation damage in thermonuclear reactors, 22:34583 (TID-24491, pp 141-50)
- ZIEBOLD, Thomas O. Materials engineering for nuclear power, 23:14374
- ZIEGEL, K. D. Isotope effect in gas transport. I. Measurement of the free volume element in four polymers above the glass transition temperature, 25:6305
- ZIEGEL, Kenneth David Isotope effect in the transport of gases through polymer membranes, 21:23901
- ZIEGELMANN, H. Binding energy of ^{3}H with soft-core potential, 24:45726
  - Exact upper and lower bounds for the binding energy of the triton with soft-core potential, 24:8830 (BMwF-FBK-69-33)
  - Numerical solution of the Faddeev—Amado integral equation without deformation of contours, 25:53821
- ZIEGENBALG, Hans Therapy of radiation injuries of the skin, 22:31195
- ZIEGENBEIN, D. Fission gas effects on fuel pastes. II, 21:10220
- ZIEGENBEIN, Renate Studies on the use of leukocyte concentrates for radiobiological experiments on mast cells, 22:40525
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  - Significance of D_2O natural uranium reactor in nuclear power station technology, 22:14164
- ZIEGLER, A. J. Prestressed concrete containment building for the Gentilly Nuclear Power Station, 23:5979
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  - Pressure vessels of prestressed concrete for water cooled reactors, 22:25011
  - Prestressed concrete pressure vessel for nuclear reactors, 22:39922
- ZIEGLER, B. Deuteron capture in ^{3}He, 22:26801
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  - Improvement of the resolution of large NaI-scintillation spectrometers for high energy photons, 25:48967
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  - Resonance absorption and resonance fluorescence of atomic nuclei, 22:46853
- ZIEGLER, C. A. Automobile exhaust analysis for lead using a nuclear technique, 25:13309
  - Radioisotope gauge for monitoring suspended sediment in rivers and streams, 21:36416
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  - Development of a radioisotope gage for monitoring sediment concentration in rivers and streams, 21:36127
  - Prog. rpt. on potential applications of radioisotope excited x-ray fluorescence techniques in criminalistics and national security, annual, 9/29/67, 22:39986 (ORO-3561-1)
  - Radioisotope and radiation techniques for terrestrial and planetary gas and solid measurements, 21:8548
  - Radioisotope excited x-ray fluorescence techniques in criminalistics and national security, 24:20951 (ORO-3561-2)
- ZIEGLER, Charles Albert Apparatus for analyzing a gaseous medium by subjecting the gas to electron bombardment and measuring the characteristic x-ray emission, 22:21397
- ZIEGLER, D. L. Waste reduction studies, 25:54709 (CONF-710401-, pp 386-91)
- ZIEGLER, Donald L. Disposal of contaminated lithium-metal scrap, 24:7613 (RFP-1347)
  - Evaluation of methods to recover plutonium from incinerator ash, 25:57525 (RFP-1723)
- ZIEGLER, Donald W. Micro radiometric method for study of acid-insoluble materials in monolayer cell cultures, 23:29307
  - Radioisotope assay for virus-induced enzyme activity, 23:29308
- ZIEGLER, G. Effect of C on critical current of Nb_3Sn, 25:56084
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  - Protoporphyrinemic light dermatoses, 21:28369
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  - Excitation of collective octupole states in ^{206}Pb, ^{207}Pb, ^{208}Pb, and ^{209}Bi by inelastic electron scattering, 22:20635
- ZIEGLER, James F. Calculation of inelastic electron scattering by nuclei, 21:30031 (YALE-2726-E-49)
  - Determination of surface impurity concentration profiles by nuclear backscattering, 25:26183
- ZIEGLER, James Francis Collective excitations in ^{206}Pb, ^{207}Pb, ^{208}Pb, and ^{209}Bi by inelastic electron scattering, 22:42076
- ZIEGLER, Jerry Louis Three-body model of the deuteron optical potential, 22:46823
- ZIEGLER, K. Current extractions channel of Nevis synchrocyclotron conversion project, 25:50355
  - Design studies for an ultra-thin septum extraction channel for modified NEVIS synchrocyclotron, 25:31106
  - Electron capture ratios in decay of ^{103}Ag, 22:3728
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- ZIEGLER, L. H. Angular differential photoelectric cross sections, 23:39292 (EGG-1183-1406)
  - K-fluorescent-x-ray relative-intensity measurements, 25:55827
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  - Sequential scintigraphy in renal transplantation, 23:48125
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  - Coaxial cavities for separated orbit cyclotrons, 21:38037
  - Experimental separated-orbit cyclotron (4 MeV), 21:38091
  - Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
  - Four-MeV experimental S.O.C.: review, 22:41896 (RHEL/M-124, pp 133-44)
  - High-resolution electron microscopy, 22:33684 (ORNL-4217, pp 140-57)
  - Prog. rpt. on high resolution microscopy, annual, 1968, 24:2083 (ORNL-TM-2666)
  - Recent progress on a supercurrent separated orbit cyclotron, 21:29763
  - Separated-orbit cyclotron (4 MeV), 23:28044
  - Test results from coaxial cavities for separated orbit cyclotrons, 23:28045
  - The 4-Mev experimental SOC: design details, 21:993 (ORNL-P-2358)
- ZIEGLER, P. Karlsruhe polarized ion source, 25:17609 (KFK-1262)
  - Production of polarized deuteron beam from hydrogen atoms in metastable ^{2}S/sub 1/2/ condition, 23:48699 (KFK-962)
- ZIEGLER, R. Gamma irradiation and enriched CO_2 atmosphere storage effects on light-induced greening of potatoes, 23:3002
- ZIEGLER, Stanley Martin Prog. rpt. on heavy atom, vibronic, and host crystal perturbations on the phosphorescence of molecular crystals, annual, 9/15/68—9/14/69, 23:45169 (UCLA-34-P-91-25)
- ZIEGLER, T. Derivation of necessary conditions on Hartree—Fock orbitals, 24:42538
- ZIEGLEROVA, V. Preventive care of workers handling x-ray equipment, 25:44821
- ZIEHLKE, K. T. Hydrogen fluoride cylinder failure, 23:49676 (K-1881)
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- ZIELCZYNSKI, M. Determination of quality factor for 200 MeV protons, 25:6699 (JINR-E16-5384)
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- ZIELEN, A. J. Neptunium(VII)—(VI) couple in NaOH solutions, 24:9240
  - Oxidation of water by Np(VII) in aqueous perchloric acid media, 24:4294
  - Precision standardization of ceric sulfate solutions, 22:8055
- ZIELENBACH, W. J. Achieving uniform specimen temperatures in an irradiation capsule using heat pipes, 24:17327 (CONF-690910-, pp 157-64)
- ZIELENBACH, William J. Design of a capsule for irradiation near 2000 C, 21:35774 (BMI-1808)
  - Irradiation capsule design for operation to 2000 C, 21:19800 (CONF-660511-, pp 4.4.1-12)
  - Irradiation of high-temperature actuator assemblies in a vacuum for SNAP-8 reactor system, 21:12212 (BMI-X-10168)
- ZIELENIEWSKI, R. Thermostat for neutron cross-section measurements within range 196 deg C to 200 deg C, 21:7631 (INP-497/PS)
- ZIELENIEWSKI, Roman Thermostat for neutron cross-section measurements within the range from —196 to 200°C, 21:33863
- ZIELIE, P. A. Gamma detecting—indicating system, AN/GKQ-4, 22:33633 (AD-666659)
- ZIELINSKA-PFABE, M. α—α interaction in the /sub A/^{9}Be $\rightarrow \alpha + \alpha + p + \pi^-$ decay, 24:52418
  - Effective force for Nilsson model calculations of collective nuclear phenomena, 25:39062 (INR-P-1257)
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  - Gamma vibration of nuclei at equilibrium and saddle point, 25:50817
  - Gamma-vibration of nuclei at equilibrium and saddle point, 25:5779
  - Hypernucleus wave function in the /sub A/Be^{9} $\rightarrow \alpha\alpha p\pi^-$ decay, 25:40957
  - Interaction α—α in ^{9}Be $\rightarrow \alpha + \alpha + p + \pi^-$ decay, 24:45730 (INR-P-1179)
  - Numerical program of diagonalization of Nilsson model in Gier-Algol, 22:24891 (INR-854/VII/PL)
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  - Role of the form of the hypernucleus wave function in the ^{9}Be $\rightarrow \alpha + \alpha + p + \pi^-$ decay, 25:45766 (INR-P-1281)
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  - Radiotracer studies on the extraction of metal ions. XI, 21:1358
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  - Carbon-13 isotope effects in the decarboxylation of the pyridine carboxylic acids, 23:2277
  - Carbon-14 exchange studies in $^{14}CO_2$—CO—quartz walls, 25:10541
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  - Isotope ^{13}C effects in decarboxylation of quinaldic acid in water medium, 22:4109
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- ZIELINSKI, P. Azimuthal asymmetry of the secondary particle emission in a high energy nuclear reaction, 22:37084
  - Correlated proton pairs in a high energy nuclear reaction, 21:33611
  - Note on the azimuthal asymmetry of the secondary particle emission in a high energy nuclear reaction, 22:5506 (INR-P-819/VI)
- ZIELINSKI, Przemyslaw Correlated proton pairs in a high energy nuclear reaction, 21:31775 (INR-787/VI/PH)
- ZIELINSKI, R. E. Helium diffusion in $^{238}PuO_2$, 25:11501
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- ZIELINSKI, Tadeusz Survival in irradiated patients with Hodgkin's disease, 23:45855
- ZIELINSKI, U. Cross sections on some (n,p), (n,t), and (n,α) reactions in the neutron energy region 13 to 19 MeV, 21:7764
- ZIELINSKI, W. Hydrophilization of polyester fibres by radiation graft copolymerization, 21:24022
  - Modification of polyester tyre core and foil to increase their adhesion to rubber, 21:24021
  - Natural rubber latex sensitized with methane halides. II, 25:34614
  - Pion production mechanism in high multiplicity π^+p interactions at 8 GeV/c, 25:45746 (INP-755)
  - Radiation induced modification of elastomers, 22:4214
- ZIELINSKI, Waclaw Radiation induced copolymerization of styrene with polyester foil and cord, 22:18808 (INR-841/XVII/C)
- ZIELKE, A. Intraarticular therapy of progressive chronic polyarthritis with colloidal ^{198}Au, 25:568
- ZIELKE, G. Fine analysis of five stars of the γ Leonis group, 24:32548
  - Spectroscopic analysis of five stars of γ Leonis group, 25:821
- ZIELKE, W. Nonlinear approximation for weak hydromagnetic shock wave propagation, 24:3236
- ZIEMBA, G. Energy gaps and transition temperatures of strong-coupling superconductors, 24:47164
- ZIEMBA-ZAK, B. Progeny of murine lymphoma cells irradiated with x rays, 25:52218
  - Regeneration of proliferative activity in progeny of murine lymphoma cells L5178Y irradiated with x-rays, 25:26974
- ZIEMBO-ZAK, Bogumila Delayed post-irradiation phenomena in cultures of murine leukemic lymphoblasts L 5178Y, 23:11932 (AEC-tr-6646/4A, pp 37-42)
- ZIEMECKI, S. B. Chemiluminescence and thermoluminescence from a γ-irradiated silica—alumina gel, 24:46278

- ZIEMER, P. L. 4π liquid-scintillation whole-body counter. II, 25:18649
  - Deposition and retention of inhaled Eu oxide in rat, 25:35086
  - Effects of temperature on cobalt glass dosimeters, 24:33950
  - Four π liquid-scintillation whole-body counter. I, 22:19104
  - Relationship between encapsulation and apparent fast neutron-induced fading in thermoluminescent dosimeters, 25:15947 (ANL-7760(Pt.1), pp 21-7)
  - Thermoluminescence of manganese activated lithium borate, 23:7813 (CONF-680920-, pp 140-7)
  - Uptake, retention, and excretion of inhaled europium oxide, 23:14177
- ZIEMER, Paul L. Activation analysis in drug control, 22:12230
  - Relationship between encapsulation and apparent fast neutron-induced fading in TLD, 25:26536
- ZIEMER, Paul Louis Certain operating characteristics and health physics applications of large volume liquid scintillation counters, 21:17888
- ZIEMER, Robert R. Effects of neutron source type on soil moisture measurement, 21:36417
- ZIEMINSKI, A. Generalized Veneziano model for reactions with pion exchange, 25:25445
  - Mass dependence of slopes in differential cross sections as a property of models for production processes, 24:47390
  - Model for high-multiplicity πp interactions, 24:5316
- ZIEMKE, A. LATS in untreated and ^{131}I-treated hyperthyroidism, after total thyroidectomy, and its relation to thyroid antibodies, 23:50743
- ZIEMKIEWICZ, Miroslaw Optical model program with the automatic search routine extended to include the spin-orbit term. OMAS, 25:56815 (INP-741)
- ZIEMNIAK, Stephen E. STIFF: computer program for solution of fluid flows in two dimensions, 24:11368 (LA-4322)
- ZIEN, Hwa M. Stability of a plane relativistic E layer in a plasma with imbedded shearing magnetic fields, 23:30575
  - Stability of a relativistic magneto-gasdynamic half-jet, 21:42145
- ZIENAU, S. Equivalence of the Lee and Zachariasen models, 21:17180
  - Use of the Cutkosky rules for finding the analytic structure of the free two-particle propagator, 21:17172
- ZIENKIEWICZ, O. C. Nonlinear analysis of pressure vessels behavior including cracking, 25:31664 (EUR-4531, pp 697-734)
  - Some creep effects in stress analysis with particular reference to concrete pressure vessels, 21:16670
  - Stress analysis by the finite element method: thermal effects, 23:11217
- ZIER, M. Density of measuring grids for control of atmospheric radioactivity, 22:25547
  - Long-lived radioactivity of air and fallout in the GDR in 1964 and 1965, 21:30548
- ZIER, Manfred Daily averages of long-lived total β activity of aerosols, 24:46360
- ZIERENBERG, B. E. Alteration of DNA by sensitized and non-sensitized long-wave uv irradiation, 25:55308
- ZIEREP, J. Theoretical investigation of cellular convection currents, 22:42964 (ORNL-tr-1914)
- ZIERING, S. Diffusion theory in a gravitational field, 21:29006
  - Plasma boundary interactions, 21:37448 (NASA-CR-868)
  - Plasma boundary interactions. II, 23:1432 (N-68-25821)
  - Prog. rpt. on plasma-boundary interactions, 9—11/67, 22:46139 (N-68-23572)
- ZIERING, Sigi Collision and ionization effects in a plasma sheath, 23:12831
  - Collisionless plasma sheath with transverse flow, 22:17683
  - Collisionless theory of a plasma sheath near an electrode, 21:7249
  - Kinetic model for three-component plasmas with ionization, 21:800
- ZIESCHE, P. Classical statistics in functional formalism, 22:41700
  - Discontinuity of the momentum distribution in the ground state of a thick electron gas, 23:21018
  - Formal decoupling of S operators in quantum electrodynamics, 21:9849
- ZIESEL, Jean-Pierre Energy dependence for ionization by electron impact between 250 and 2200 eV, 22:17407
- ZIESEMER, K. Influence of anisotropic slowing-down of ^{24}Mg recoils in Na and NaCl single crystals, 24:49274
- ZIESING, Dapthene A. Gravimetric determination, using nitron, of nitrates in uranium compounds, 24:13731 (NIM-485)
- ZIESKE, P. Effects of instabilities and scattering in electron beams in the absence of a magnetic field, 21:7024
- ZIESSOW, D. Age estimation according to the K—Ar method with the help of activation analysis, 21:25784
- ZIETEK, W. J. Remarks on Wallace's Hamiltonian perturbation method, 22:29198
- ZIFF, E. C. Auroral intensity ratio of O I (6300 A) and O I (5577 A), 25:27600
- ZIFF, Morris Immunoglobulin synthesis in synovitis, 23:38394
- ZIFF, Robert Flow dissipation equation in liquid He II, 25:58927
- ZIFFERERO, M. Laboratory studies and pilot plant development of sol-gel processes in Italy, 24:30007 (CONF-700502-, pp 150-63)
  - Reprocessing of irradiated fuels, 24:16619 (CONF-681219-4)
  - Sol-gel research and development in Italy, 23:4716 (RT/CHI-(68)28)
  - Sol-gel research in Italy, 23:30124
- ZIFFERERO, Maurizio Reprocessing of irradiated fuels, 23:24292
  - Technological progress in the field of nuclear fuels. I and II, 22:46938
- ZIFFERMAYER, G. Activation analysis as an analytical method in the manufacture of valves, 23:83
- ZIGANSHIN, T. M. Problem of selecting the parameters of a large fast reactor, 25:34385 (JPRS-53069, pp 156-65)
- ZIGMAN, P. E. Certificates of radioactivity standards, 25:29173
- ZIGMAN, S. Variations in the makeup of lens insoluble proteins, 25:18909
- ZIGMAN, Seymour DNA synthesis in epithelial cells of dogfish, 22:12769
- ZIGNANI, F. Energy loss of protons channelling through very thin gold, 24:42502
  - Proton channeling [111] in very thin Au crystals, 22:29575
- ZIJLSTRA, H. Critical fields determining magnetic coercivity in microparticles of $SmCo_5$ and $LaCo_5$, 25:27882
  - Domain-wall processes in $SmCo_5$ powders, 24:51849
- ZIJLSTRA, W. G. Gas phase ESR spectra of ^{31}P, ^{75}As, ^{121}Sb, and ^{123}Sb, 25:36345
- ZIJP, W. L. Gamma spectrum analysis and neutron fluence determination with use of EL-X8 electronic computer, 22:19113
- ZIJP, Willem L. Neutron metrology in H.F.R, 25:15393 (RCN-119)
- ZIKA, J. Noble gas diffusion in light metals, 23:18211 (SGAE-M-20/1968)
- ZIKA, Jeanne Alice Kaon nucleon dispersion relations, 25:47872
- ZIKAN, M. Dynamics of hydraulic system and optimization of control overflow at TR-O reactor, 22:44838 (UJV-1944)
  - Dynamics of TR-O reactor moderator level controlled by a circular overflow, 21:44948 (UJV-1845)
- ZIKIDES, C. C. Automatic system for rapid measurement of thin foils irradiated in reactor beam, 21:42642
  - Delayed neutron group yields from ^{231}Pa fission, 24:52614
  - Work in Greece on delayed neutrons, 24:30774
- ZIKOV, V. G. Interaction of a plasma with a transverse magnetic field, 21:11635 (NP-tr-1474)
  - Mass-energetic measurements of plasma entrapped into the aperture of the diverter during injection through the magnetic gap, 23:3441 (NP-17665)
  - Study of the possibilities of injecting plasma into a stellarator via a diverter, 23:30519 (MATT-Trans-86)
- ZILAR, R. L. Dc arc excitation of impurities in plutonium dioxide using carrier distillation techniques, 23:31276 (ARH-SA-32)
- ZIL'BER, D. A. Use of ultraviolet disinfection of the air in pharmacies, 22:33996 (JPRS-41315, pp 36-43)
- ZIL'BER, Yu. D. Radioprotective effect of salts of S-alkylsubstituted derivatives of isothiourea in case of separate and combined administration, 23:2888
- ZIL'BERBERG, V. G. Physical properties of plasma-sprayed carbides, 25:35538
  - ZrO_2-base cermet cold cathodes, 23:12402
- ZIL'BERMAN, B. Ya. Behavior of extractant TBP + CCl_4 under irradiation, 21:28020
- ZIL'BERMAN, L. A. Destruction of Josephson current by fluctuations, 23:6950
  - Effect of external fluctuations on the properties of superconducting micro-junctions near critical temperature, 25:56090
  - Effect of low frequency fluctuations on superconducting tunnelling, 25:27649
  - Fluctuations in Josephson contact, 24:26101
  - Josephson coupling energy in the presence of thermal fluctuations, 25:14184
  - Josephson effect on small-size tunnel contacts, 23:8565
  - Role of low-frequency fluctuations in the Josephson effect, 25:33183
- ZIL'BERMAN, M. I. Electrical engineering properties of porcelain exposed to γ-radiation, 25:44751
- ZILBERT, E. P. Effect of high tension roentgenography of lungs, 24:27627
- ZILIOTTO, D. Brain scanning with /sup 99m/Tc, 23:6556
  - Contrast enhancement of scintigrams and camera-scintiphotos of different organs, 24:9899
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  - Polarization of protons from ^{12}C(d,p)^{13}C reaction at E/sub d/ = 12.4 MeV, 25:12377 (INP-711)
  - Polarization of protons from ^{12}C(d,p)^{13}C reaction at E/sub d/ = 12.4 MeV, 25:20287
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- ZIPT, E. C. Rocket investigation of the auroral green line, 24:37322 (N-70-18559)
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ZIRKIND, P. Gamma rays from decay of ^{24}Na and the ^{27}Al(n,α)^{24}Na reaction, 24:22126
ZIRKIND, Ralph Conference on electromagnetic sensing of the earth from satellites, Coral Gables, Florida, 11/65, 22:19734
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Prog. rpt. on kinetic studies of heterogeneous water reactors, 4—6/66, 21:13987 (STL-372-44)
Prog. rpt. on kinetic studies of heterogeneous water reactors, annual, 1966, 21:40575 (STL-372-50)
Stability of boiling-water reactors and loops, 21:44885
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ZOLIN, V. F. Luminescence spectra and structure of uranyl propionates, 25:20993
ZOLKIVER, K. I. Radiation therapy for esophageal carcinoma, 25:52157
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- ZOLOTAREV, A. E. Influence of radium therapy on migration of the leukocytes in the oral cavity, 23:12231
- ZOLOTAREV, B. P. Peculiarities of Th, U, and K distribution in tholeiite—basaltic formation rocks, 25:48670
- ZOLOTAREV, I. I. Influence of radioactive neohydrin labeled with ^{203}Hg and ^{197}Hg on kidney and liver structure, 23:26887
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